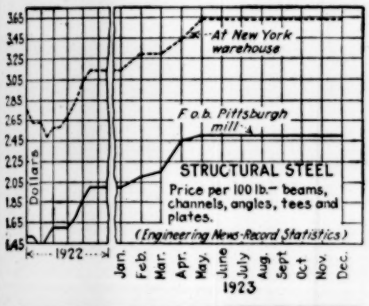
CONSTRUCTION NEWS

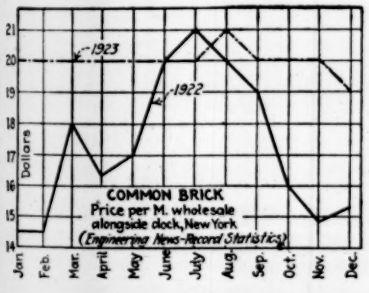
Engineering News-Record, December 6, 1923

The Construction Barometer

Drop in Cost—Materials Scarcity and Higher Prices Possible in 60 to 90 Days with Present Rate of Permits

CONSTRUCTION cost has dropped somewhat during the last month; the declines occurring principally in iron, lumber, cement and brick. These recessions are seasonal, but the gain in the volume of late-autumn building permits indicates an unusually extensive winter construction program. In the New York district, November contracts awarded were the heaviest of the year. Now comes the question of building materials scarcity, from sixty to ninety days hence. Cement mill stocks since August have been heavier than for the same months last year; there are more burned brick on hand than at any time in 1922; lumber production has exceeded shipments since April. Present lumber mill stocks, however, are approximately 360,000,000 ft. under the quantity on hand one year ago, owing to the extremely heavy demand.


At New York warehouse
F.o.b. Pittsburgh mill
STRUCTURAL STEEL
Price per 100 lb.—beams, channels, angles, tees and plates.
(Engineering News-Record Statistics)
Dollars
1922
1923
Jan. Feb. Mar. Apr. May June July Aug. Sept Oct Nov Dec.


1923
1922
COMMON BRICK
Price per M. wholesale alongside dock, New York
(Engineering News-Record Statistics)
Dollars
Jan Feb. Mar. April May June July Aug. Sep. Oct. Nov. Dec.

Engineering News-Record Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Nov. 15	$14,223,000	$24,496,000	$38,719,000
Nov. 22	10,461,000	9,259,000	19,720,000
Nov. 29	10,298,000	25,020,000	35,318,000
3 Weeks	$34,982,000	$58,775,000	$93,757,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

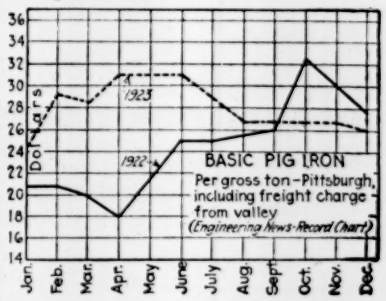
Week Ended	Public No.	Public Work	Private No.	Private Work
Nov. 15	7	$4,329,000	28	$13,526,000
Nov. 22	10	2,841,000	21	5,830,000
Nov. 29	10	2,165,000	30	12,810,000
3 Weeks	27	$9,335,000	79	$32,166,000

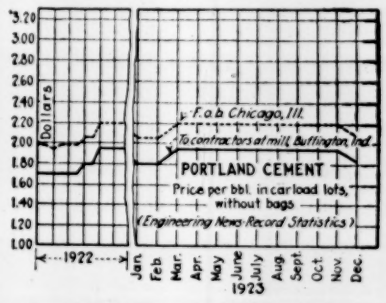
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

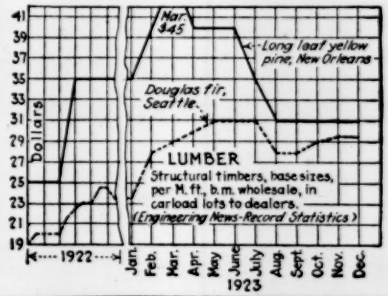
Week Ended	Private	Public: All	Streets and Roads	Waterworks and Sewers	All Buildings
Nov. 15	26	148	35	21	41
Nov. 22	29	185	47	31	61
Nov. 29	30	176	57	36	51

LUMBER AND CEMENT DOWN—STEEL FIRM

	Quoted on Dec. 6, at	Price was	On
Structurals, Pittsburgh, 100 lb.	$2.50	$2.50 @ 2.60	June 21
Cement, Chi., net bbl.	2.10	2.20	Nov. 22
Pine, N.Y., M.ft.	57.00	61.00	Nov. 29
Fir, San Fran., M.ft.	41.00	42.00	Sept. 27
Common labor, hr.	.54	.53	June 28


1923
1922
BASIC PIG IRON
Per gross ton—Pittsburgh, including freight charge from valley
(Engineering News-Record Chart)
Dollars
Jan. Feb. Mar. Apr. May June July Aug. Sept Oct. Nov. Dec.


f.o.b. Chicago, Ill.
To contractors at mill, Buffington, Ind.
PORTLAND CEMENT
Price per bbl. in carload lots, without bags
(Engineering News-Record Statistics)
Dollars
1922
1923
Jan Feb Mar. Apr. May June July Aug. Sept Oct. Nov Dec.


Mar. $45
Long leaf yellow pine, New Orleans
Douglas fir, Seattle.
LUMBER
Structural timbers, base sizes, per M. ft., b.m. wholesale, in carload lots to dealers.
(Engineering News-Record Statistics)
Dollars
1922
1923
Jan. Feb. Mar. Apr. May June July Aug. Sept Oct. Nov. Dec.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Dec. 11	Menominee, Mich.	Dec. 6
Dec. 11	New York, N. Y.	Dec. 6
Dec. 11	Troy, N. C.	Dec. 6
Dec. 12	Keyser, W. Va.	Nov. 8
Dec. 12	Albuquerque, N. M. Adv. Nov. 22 to Dec .6.	Nov. 22
Dec. 12	Kearny (Arlington P. O.), N. J. Adv. Nov. 22 and Dec. 6.	Nov. 22
Dec. 12	Baltimore, Md.	Dec. 6
Dec. 13	Athens, Wis.	Nov. 29
Dec. 14	Seattle, Wash.	Nov. 15
Dec. 14	Washington, Ia.	Nov. 29
Dec. 17	Elizabethtown, Ky. Adv. Nov. 29 and Dec. 6.	Nov. 29
Dec. 17	Windsor (New Windsor P. O.), Ill.	Nov. 22
Dec. 17	Richmond, Va.	Dec. 6
Dec. 18	Laurinburg, N. C.	Nov. 22
Dec. 19	San Francisco, Calif.	Dec. 6
Dec. 19	Scituate (North Scituate P. O.), R. I.	Nov. 22
Dec. 21	Denver, Colo. Adv. Dec. 6.	Dec. 6
Dec. 22	Carlisle, Ia.	Nov. 29
Dec. 23	New Holstein, Wis.	Oct. 11
Jan. 3	Erie, Pa. Adv. Dec. 6.	Dec. 6

SEWERS

Bids Close		See Eng. News-Record
Dec. 10	New Orleans, La. Adv. Oct. 11 to Dec. 6.	Oct. 11
Dec. 11	Bluefield, W. Va.	Nov. 22
Dec. 14	Detroit, Mich.	Dec. 6
Dec. 14	Great Bend, Kan.	Dec. 6
Dec. 18	Laurinburg, N. C.	Nov. 29
Dec. 18	Toledo, O. Adv. Nov. 29 and Dec. 6.	Dec. 6
Dec. 23	New Holstein, Wis.	Oct. 11

BRIDGES

Dec. 10	New Jersey	Nov. 22
Dec. 11	McKinney, Tex.	Dec. 6
Dec. 11	Pensacola, Fla.	Dec. 6
Dec. 14	Richmond, Tex.	Nov. 29
Dec. 19	Indianapolis, Ind.	Nov. 29
Dec. 19	Delaware	Nov. 29
Dec. 20	Correctionville, Ia.	Nov. 22

Bids Close		See Eng. News-Record
Dec. 20	Audubon, Ia.	Dec. 6
Dec. 24	California	Dec. 6
May 1	Tientsen, North China	Oct. 11

DAMS

Jan. 7	Los Angeles, Calif.	Nov. 29

RAILWAYS

Mar. 18	New Zealand	Sept. 20

EXCAVATION, DRAINAGE IRRIGATION

Dec. 13	Brooklyn, N. Y.	Dec. 6
Dec. 20	Charleston, Miss.	Dec. 6
Dec. 21	Corpus Christi, Tex.	Dec. 6

STREETS AND ROADS

Dec. 9	Syracuse, N. Y.	Nov. 29
Dec. 10	Kansas City, Kan.	Nov. 29
Dec. 10	Palestine, Tex.	Nov. 29
Dec. 10	Houston, Tex.	Nov. 29
Dec. 10	Indianapolis, Ind.	Nov. 29
Dec. 10	Bonner Springs, Kan.	Nov. 22
Dec. 10	Buckhannon, W. Va.	Nov. 22
Dec. 10	Palestine, Tex.	Nov. 22
Dec. 10	Michigan	Nov. 29
Dec. 10	Long Island City, N. Y.	Dec. 6
Dec. 11	McKinney, Tex.	Nov. 29
Dec. 11	Ohio	Nov. 29
Dec. 11	West Virginia	Nov. 22
Dec. 11	Michigan	Nov. 22
Dec. 11	Pennsylvania	Nov. 22
	Adv. Nov. 22 to Dec. 6.	
Dec. 11	Quebec	Nov. 29
Dec. 11	Waukegan, Ill.	Dec. 6
	Adv. Dec. 6.	
Dec. 11	Ohio	Dec. 6
Dec. 11	Bartow, Fla.	Dec. 6
Dec. 11	Miami, Fla.	Dec. 6
Dec. 11	St. Paul, Minn.	Dec. 6
Dec. 12	New Britain, Conn.	Dec. 6
Dec. 12	Webster City, Ia.	Nov. 22
Dec. 12	Michigan	Nov. 29
Dec. 12	Fayetteville, N. C.	Nov. 29
Dec. 12	Brooklyn, N. Y.	Dec. 6
Dec. 13	West Virginia	Nov. 22
Dec. 13	Santa Rosa, Calif.	Dec. 6
Dec. 15	McLeansboro, Ill.	Nov. 29
Dec. 17	East Aurora, N. Y.	Nov. 29
	Adv. Nov. 29 and Dec. 6.	
Dec. 17	Grenada, Miss.	Nov. 29
Dec. 17	San Jose, Calif.	Dec. 6
Dec. 17	California	Dec. 6
Dec. 17	Eastland, Tex.	Dec. 6
Dec. 18	California	Dec. 6
Dec. 18	Indiana	Dec. 6
Dec. 18	Louisiana	Dec. 6
Dec. 18	Rushville, Ind.	Nov. 29
Dec. 18	Angleton, Tex.	Nov. 29
Dec. 18	Michigan	Nov. 29
Dec. 18	Belzoni, Miss.	Nov. 22
Dec. 19	Sierra Blance, Tex.	Nov. 29
Dec. 19	Ebensburg, Pa.	Dec. 6
Dec. 20	Lakeland, Fla.	Dec. 6
	Adv. Nov. 29 and Dec. 6.	
Dec. 20	Hallettsville, Tex.	Dec. 6
Dec. 20	Corsicana, Tex.	Dec. 6
Dec. 21	Collins, Miss.	Nov. 29
Dec. 21	Topeka, Kan.	Dec. 6
Dec. 21	Corpus Christi, Tex.	Dec. 6
Dec. 21	Uvalde, Tex.	Dec. 6
Dec. 22	Hemphill, Tex.	Dec. 6
Dec. 26	St. Louis, Mo.	Nov. 29
Dec. 27	Alabama	Dec. 6
Dec. 27	Somerset, Pa.	Dec. 6
	Adv. Dec. 6.	
Jan. 15	Michigan	Dec. 6

INDUSTRIAL WORK

Dec. 8	Rome, N. Y.	Dec. 6
Dec. 8	Carlisle, Pa.	Dec. 6
Dec. 11	Tampa, Fla.	Nov. 15
Dec. 12	Pulaski, Tenn.	Nov. 22
Dec. 18	Palmyra, N. Y.	Nov. 22
	Adv. Nov. 22 to Dec. 6.	
Dec. 18	Waterbury, Conn.	Dec. 6
Dec. 21	Ft. Worth, Tex.	Dec. 6
Apr. 30	Wellington, New Zealand.	Dec. 6
	Adv. Dec. 6.	

BUILDINGS

Dec. 8	Buffalo, N. Y.	Nov. 29
Dec. 8	Baltimore, Md.	Dec. 6
Dec. 10	Mt. Vernon, O.	Nov. 29
Dec. 10	Indianapolis, Ind.	Nov. 15
Dec. 10	Ft. Worth, Tex.	Nov. 22
Dec. 10	New York, N. Y.	Nov. 22
Dec. 10	Richmond Hill (Jamaica P. O.), N. Y.	Nov. 22
Dec. 10	Brooklyn, N. Y.	Nov. 22
Dec. 10	Detroit, Mich.	Dec. 6
Dec. 10	Kansas City, Mo.	Dec. 6
Dec. 10	Cynwyd, Pa.	Dec. 6
Dec. 10	New York, N. Y.	Dec. 6
Dec. 11	Cedar Falls, Ia.	Nov. 22
Dec. 12	Elizabeth City, N. C.	Dec. 6
Dec. 12	Denver, Colo.	Dec. 6
Dec. 12	Grand Rapids, Mich.	Nov. 15
Dec. 14	Lebanon, Tenn.	Dec. 6
Dec. 15	Wichita, Kan.	Nov. 15
Dec. 15	Spearfish, S. D.	Nov. 29
Dec. 15	Racine, Wis.	Dec. 6
Dec. 15	Durham, N. C.	Dec. 6
Dec. 17	Crown Point, Ind.	Dec. 6
Dec. 17	Camden, N. J.	Nov. 29
	Adv. Nov. 29 and Dec. 6.	
Dec. 17	Wash., D. C.	Nov. 29
	Adv. Nov. 29 and Dec. 6.	
Dec. 17	Memphis, Tenn.	Dec. 6
Dec. 18	Ironwood, Mich.	Nov. 15
Dec. 18	Buffalo, N. Y.	Dec. 6
Dec. 19	Falls City, Neb.	Nov. 22
Dec. 20	Sioux City, Ia.	Nov. 15
Dec. 20	Duluth, Minn.	Nov. 29
Dec. 20	Newark, N. J.	Dec. 6
Dec. 21	Wilmington, N. C.	Dec. 6
Dec. 21	Wash., D. C.	Dec. 6
	Adv. Dec. 6.	
Dec. 21	New Orleans, La.	Nov. 29
Dec. 21	Charleston, W. Va.	Nov. 15
Dec. 21	East Boston (Boston P. O.), Mass.	Nov. 29
Dec. 22	Newport, Ind.	Nov. 29
Dec. 27	Brooklyn, N. Y.	Dec. 6
Dec. 27	New Orleans, La.	Dec. 6
Dec. 28	Morgantown, W. Va.	Nov. 15
Dec. 30	Ft. Smith, Ark.	Dec. 6
Jan. 1	Williamson, W. Va.	Nov. 22
Jan. 2	Bloomington, Ind.	Nov. 15
Jan. 12	Boston, Mass.	Nov. 29
Jan. 14	Galveston, Tex.	Nov. 29
Feb. 1	Dorchester, Mass.	Nov. 29

FEDERAL GOVERNMENT WORK

Dec. 10	Towboat—Montgomery, Ala.	Nov. 8
Dec. 10	Maneuver Boat, etc.—Huntington, W. Va.	Nov. 15
	Adv. Nov. 15 to Dec. 6.	
Dec. 10	Remodeling — Allentown, Pa.	Nov. 15
Dec. 14	Dredging, etc.—New York, N. Y.	Nov. 15
	Adv. Nov. 15 to Dec. 6.	
Dec. 15	Operating Machinery—Louisville, Ky.	Nov. 22
	Adv. Nov. 22 to Dec. 6.	
Dec. 17	Bridge—Seattle, Wash.	Nov. 29
Dec. 17	Remodeling, etc. — Mobile, Ala.	Dec. 6
Dec. 18	Mailing Vestibule, etc.—Greenville, S. C.	Dec. 6
Dec. 19	Dredging — Wilmington, N. C.	Nov. 22
	Adv. Nov. 22 to Dec. 6.	
Dec. 19	Generator, Motor, etc.—Huntington, W. Va.	Nov. 29
Dec. 19	Towboat—Memphis, Tenn.	Nov. 22
	Adv. Nov. 22 to Dec. 6.	
Dec. 19	Bungalows—Wash., D. C.	Nov. 22
Dec. 22	Hospital—Livermore, Calif.	Nov. 22
	Adv. Nov. 22 to Dec. 6.	
Dec. 26	Extension—Poughkeepsie, N. Y.	Dec. 6
	Adv. Dec. 6.	
Dec. 27	Post Office, etc.—Paris, Tex.	Dec. 6
Dec. 27	Stone—Portland, Ore.	Dec. 6
Dec. 28	Post Office—St. Johnsbury, Vt.	Dec. 6
Dec. 28	Dredging—Savannah, Ga.	Dec. 6
	Adv. Nov. 29 and Dec. 6.	
Dec. 28	Changes, etc. — Omaha, Neb.	Dec. 6
	Adv. Dec. 6.	
Dec. 29	Metal Work—Louisville, Ky.	Dec. 6
	Adv. Dec. 6.	
Jan. 2	Post Office—Liberty, Mo.	Dec. 6
	Adv. Dec. 6.	
Jan. 3	Gates—Washington	Dec. 6
Jan. 3	Lock Gates—Addison, Ky.	Dec. 6
	Adv. Dec. 6.	
Jan. 10	Steel Hulls — Vicksburg, Miss.	Dec. 6
	Adv. Dec. 6.	
Jan. 16	Fuel Oil Storage—Mare Island, Calif.	Dec. 6
Jan. 30	Ward—Great Lakes, Ill.	Nov. 15

UNCLASSIFIED

Dec. 12	Foundation—Rapid City, S. D.	Dec. 6
Dec. 20	Steel Frame and Rolling Doors —New Orleans, La.	Dec. 6
	Adv. Dec. 6.	
Dec. 20	Pavilions—New York, N. Y.	Nov. 29
Dec. 24	Heating and Ventilating Apparatus—Cincinnati, O.	Nov. 29
Jan. 3	Aluminum Steel Cored Cable, etc.—Melbourne, Australia	Nov. 1
Jan. 19	Transformers, etc.—Melbourne, Australia	Oct. 18
Feb. 28	Headworks — Wellington, New Zealand	May 24
Mar. 31	Hopper Dredge — Brisbane, Queensland, Australia	Nov. 1

Bids Close		See Eng. News-Record
Dec. 11	Dump Cars, etc.—St. Paul, Minn.	Nov. 29
Dec. 12	Cement—Brooklyn, N. Y.	Dec. 6
Dec. 13	Pipe—Baton Rouge, La.	Nov. 22
Dec. 14	Graders, etc.—Georgia	Dec. 6
Dec. 17	Shell—Houston, Tex.	Dec. 6
Dec. 17	Grader—Dallas, Tex.	Dec. 6
Dec. 29	Tractors, etc.—Texas	Dec. 6

MATERIALS AND EQUIPMENT

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., Bristol—Water Bd. plans laying 6,000 ft. 4-8 in. c.i. pipe. $25,000. C. W. Buell, city engr.

Conn., Hartford—Bd. Water Comrs. plans mains in 12 streets, 10,000 ft. 4-8 in. C.I. pipe. $40,000. C. W. Saville, 1026 Main St., engr.

N. J., Maple Shade—Making plans waterworks and filtration plant. $50,000. Remington & Vosbury, 601 Market St., Camden, engrs.

Va., South Norfolk (Norfolk) — Plans election to vote on $450,000 bonds for water supply.

N. C., Fayetteville—See "Sewers."

N. C., Greensboro — City plans several miles c.i. mains to replace wooden mains. $300,000. P. C. Painter, city mgr

N. C., Lake Junaluska — Southern Assembly takes bids soon 4 mi. 6 in. mains, 1½ mi. trunk sewers, turbines and generators under dam at Lake Junaluska to generate power for Assembly grounds. $25,000. J. W. Seaver, Lake Junaluska, engr.

Fla., Center Hill — See "Streets and Roads."

Fla., Frostproof — City voted $340,000 bond issue for water plant and street paving. Noted Oct. 25.

Ala., Birmingham — Birmingham Waterworks Co. asked authority of Alabama Pub. Serv. Com. to sell $500,000 preferred stock for 5 or 6 mi. extension to watermains, adding 36 in. main to present 30 in. main, 7,500 ft. from Shades Mountain to filter plant and through north side of mountain; buildings and completion of superstructure for 8 concrete filters at Shades Mountain, piping, strainers, etc.; 10 blocks 12 in. mains in Hillman Ave.; 5,000 ft. 12 in. main in Telula St.; 16 in. main along Possum Valley Rd.; 12 in. reinforced main in 16th St., 5,000 ft.; 16 in. main from 13th Ave. to Fairview. H. H. Horner, genl. supt.

La., Melville—Voted favorably on proposition for increase from $45,000 to $60,000 for waterworks and electric light systems. Will take bids about February. Swanson-McGraw Inc., United Fruit Bldg., New Orleans, consult. engrs. Noted Feb. 8.

Tenn., Gallatin—Having plans prepared and soon takes bids rein.-con. well, filtration plant and 1 story brick pump house. $40,000. B. H. Klyce, 4th and 1st Natl. Bank Bldg., Nashville, engr. Noted Oct. 11.

Tenn., Jackson—Plans to issue $100,000 bonds for waterworks improvements C. E. Griffin, engr.

Tenn., Nashville—City will expend $50,000 during 1924 for water main extensions, hydrants, etc. H. E. Howse, mayor. Noted Nov. 1.

Ky., Owensboro—Voted $100,000 bonds to extend mains. A. Hickman, mayor.

O., Barberton—Takes bids shortly after Jan. 1, dam, storage tank, pumping plant, bridge pipe lines, distribution mains and filtration plant. $750,000. W. G. Clark, 1046 Spitzer Bldg., Toledo, engr. Noted Nov. 29.

Ill., Olney — Making preliminary plans new electrical equipment for waterworks pumping plant, improving distribution system, etc. $75,000. Will probably mature in spring. A. J. Wharf, City Hall, engr.

Wis., Centuria — Making plans waterworks, $20,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

Waterworks (Continued)

Minn., St. Paul—City Council authorized $500,000 bond issue for waterworks improvements in 1924. J. W. Kelsey, supt. Water Dept.

Minn., St. Peter—City plans steel tank for Water Dept. $19,000.

Mo., Festus—Soon takes bids waterworks and sanitary sewerage systems. Voted $175,000 bonds for same. J. P. Davis, Jefferson City, engr. Noted Nov. 8.

Mo., Flat River — St. Joseph Lead Co. making preliminary plans complete waterworks and distribution system, incl. pumping plant, filtration plant and distribution mains. $35,000. Private plans.

Mo., Greenfield—Plans 75,000 gal. rein.-con. reservoir, 1 deep well and 3 new pumping units. W. B. Rollins & Co., 521 Ry. Exch. Bldg., Kansas City, engrs. Noted Sept. 27.

Mo., Hannibal—Making plans waterworks improvements. Black & Veatch, 701 Mutual Bldg., Kansas City, engrs.

Tex., Lubbock — Voted $75,000 bonds waterworks extension. M. S. Ruby, city mgr.

Tex., Trenton—Plans election in January to vote on $30,000 bond issue for complete waterworks. Elrod Eng. Co., 3206 Elm St., Dallas, engrs.

Okla., Heavener — City having surveys made for dam, storage reservoir, filter plant, pipe lines and machinery, $100,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Wash., Lynden—Plans filtration plant at Nooksack River, incl. new steel tower and tank, filtering plant, chlorine plant and improvements at intake. $35,000.

Colo., Walsenburg—Issued $35,000 bonds for improving water system.

Calif., Eureka — City plans to purchase 5,800 ft. 12 in. water pipe. H. Hannah, city engr.

Calif., Lemoore—Plans election to vote on $15,000 bonds for extension to waterworks.

Calif., Los Angeles—Pub. Serv. Comm., 207 South Bway., making surveys for waterworks on Kings River, Fresno Co., being part of hydro-electric development for city of Los Angeles. Project includes Simpson Reservoir, 215 ft. high, 2,670 ft. long on top, 180 ft. long on bottom, 20 ft. wide at top, loose rock and earth fill, to store 50,922 acre feet; 43,022 ft. concrete lined tunnel, 5 x 4 ft. diam.; 2,450 ft. penstock, 81 in. diam. on top and 60 in. at bottom; Kings River Power Plant 3, to develop 34,023 hp. using impulse waterwheels and generators at fall of 1,497 ft. $7,050,000.

Calif., Oakland — East Bay Water Co., 512 16th St., making plans Upper San Leandro Creek storage reservoir, dam will be 185 ft. high, 683 ft. long, involving 1,200,000 cu.yd. hydraulic earth fill with storage capacity of 13,600,000 gal. $3,000,000. R. S. Hawley, ch. engr.

Calif., San Fernando—Making preliminary plans storage dam in Paccima Creek. 100 ft. high, 160 ft. long on top, 60 ft. long on bottom, and 16,700 lin.ft. 14 in. riveted steel pipe line, etc. $75,000.

Calif., Santa Monica — City to vote on $1,000,000 bond issue for additions and extensions to water system. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, engrs.

Calif., Stockton—T. J. Locke, c/o Case & Forslund, attorneys, Commercial Savings Bldg., making plans installing two 10 in. centrifugal pumps, operated by two 20 hp. 1,200 r.p.m. 440 volt motors, to replace existing 12 in. pump. R. G. Clifford, 2130 23rd St., Sacramento, engr.

BIDS DESIRED

N. Y., New York—Dec. 11, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Edgewater Rd., Coster and Longfellow Sts., Viele, Oak Point, Brinsmade, Calhoun, Miles, Quincy, Revere, Sampson and Swinton Aves. Former bids rejected. Noted Nov. 22.

Pa., Erie — Jan. 3 (extended date, by Comrs. Water Works, Waterworks Office, 8 m.g. addition to filters. J. N. Chester, Engineers, Union Bank Bldg., Pittsburgh, engrs.; adv. E. N.-R. Dec. 6. Noted Nov. 29.

Md., Baltimore—Dec. 12, by Bd. Awards, piping in pumping station of high-pressure fire service, for Bd. Fire Comrs. P. W. Wilkinson, Lexington and Gay Sts., secy. for Fire Bd.

Va., Richmond—Dec. 17, by E. W. Trafford, dir. Pub. Utilities, superstructures for filter plant, Contr. 3.

N. C., Troy—Dec. 11, by C. C. Broughton, mayor, and Town Comrs., brick and concrete pumping station and filter, concrete coagulating basin, concrete foundation for tanks and pumps, election pumps, furnishing and erecting switchboard, filter plant equipment, etc. H. Beebe, Spartanburg, S. C., engr.

Mich., Menominee — Dec. 11, by H. W. Blunder, city clk., installing 1 centrifugal pump, 2,500 g.p.m. connected to electric motor, 2 centrifugal pumps, 1,000 g.p.m., one 60 cycle generator, etc. $25,000. B. T. Gifford, Gay Bldg., Madison, Wis., engr.

Colo., Denver—Dec. 21, by City and Denver Co. by and through its Bd. Water Comrs., 1509 Cleveland Pl., Denver, 54 in. and 66 in. water supply conduits. B. Lowther, ch. engr.; adv. E. N.-R. Dec. 6.

Calif., San Francisco—Dec. 19, by Bd. Pub. Wks., electric transmission line insulators for Hetch Hetchy power and water supply. $200,000. M. M. O'Shaughnessy, city engr.

BIDS RECEIVED

N. Y., Corning — Corning Homes, Inc., mains and sewers, from W. Sheehan, 131 North 10th St., Olean. Noted Nov. 1.

Wash., Seattle—Bd. Pub. Wks., Nov. 23, mains in 34th Ave. S. et al., from Coluccio & Erickson, Thompson Bldg., 30 ft. 4 in. c.i. pipe $1.25, 12 ft. 8 in. $2.40, 115 ft. 12 in. $3.60 and 6,025 ft. 16 in. $5.98, total $44,108. Engrs. est. $46,780.

Ont., Toronto—Furnishing 20,000 lin.ft. 20-36 in. c.i. pipe, from F. Hankin & Co. Ltd., 386 King St. W., $228,220.

CONTRACTS AWARDED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., reconstructing pumping station in Camp Rd., etc., to J. Gallo, 203 Division St., Brooklyn, $36,987. Noted Nov. 22.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in White Plains Rd., Barkley, Calhoun, Lafayette, Quincy, Revere, Swinton, Bolton, Bronx River, Cornell, Gildersleeve, Leland, O'Brien, Patterson, Thieriot and Underhill Aves., to Paladino Contg. Co., 437 East 120th St., $10,901. Noted Nov. 22.

Pa., Glassmere — Allegheny Plate Glass Co., subsidiary of Ford Motor Co., Highland Park (Detroit P. O.), intake well, here, to Dravo Contg. Co., Diamond Bldg., Pittsburgh. Engrs. est. $25,000.

Md., Baltimore—Bd. Awards, furnishing and delivering 2 centrifugal pumps to Highway Engineers Dept., to DeHuff & Hopkins, Morris Bldg., Phila., $8,980; two 60 hp. motors, to Fairbanks, Morse & Co., 115 East Lombard St., $1,810. Noted Nov. 8.

La., Crowley—Installing mains, concrete reservoir, fire hydrants, pumps, also sewers, and grading and paving streets, to McIntosh Bros., Oklahoma City, Okla., $198,000. Noted Nov. 8.

La., Ponchatoula—W. R. Wright, mayor and Bd. Aldermen, constructing reservoir and laying c.i. pipe to Chambers & Bowers, Hammond, $16,290, elevated tank and tower to Chicago Bridge & Iron Wks., 608 South Dearborn St., Chicago, Ill., $5,185. Noted Oct. 25.

O., Lima—Baltimore & Ohio R.R., Merchants Loan & Trust Bldg., Chicago, water treating plant, here, to J. E. Nelson & Sons, 3240 Michigan Ave., Chicago. To exceed $25,000.

O., Troy—Baltimore & Ohio R.R., Merchants Loan & Trust Bldg., Chicago, water treating plant, here, to J. E. Nelson & Sons, 3240 South Michigan Ave., Chicago. To exceed $25,000.

Mo., Joplin — Joplin Water Co. waterworks extensions, to W. R. McCormick, 1801 Sergeant St., $30,000. Noted Nov. 15.

Tex., Dallas—J. P. Stephenson, c/o Koch & Fowler, engrs., Central Bank Bldg., 20,000 ft. mains in Midway Rd. and Lovers Lane, steel tank and tower, to R. J. Estep & Co., and Pittsburg Des Moines Steel Co., Praetorian Bldg., $25,000. Noted Aug. 16.

Colo., Denver—Vertical valves, 4-48 in., to Rensselear Valve Co., 53 West Jackson Blvd., Chicago, $69,895.

Calif., Long Beach—City, 6, 8 and 12 in. c.i. pipe, to U. S. Cast Iron Pipe & Fdry. Co., Wright & Callendar Bldg., Los Angeles, $227,215. Noted June 21.

Calif., Santa Barbara — For 12 in. c.i. mains in Cliff Dr. and 8 in. main in portion of Mesa School Lane, to S. Hunter, 122 West Valerio St., $37,110.

Sewers

PROPOSED WORK

Va., Richmond — City plans to expend $300,000 for sewerage system in West End Sect. A. J. Saville, dir. Bd. Pub. Wks.

W. Va., Charleston — See "Streets and Roads."

N. C., Fayetteville — City authorized $100,000 bond issue extending water and sewerage systems.

N. C., Lake Junaluska — See "Waterworks."

Fla., Center Hill — See "Streets and Roads."

Miss., Greenwood — See "Streets and Roads."

O., Ashtabula—Takes bids after Feb. 1 sewage treatment works and 4,200 ft. of 42 in. segmental block submerged outfall pipe. $100,000. G. B. Gascoigne, 648 Leader-News Bldg., Cleveland, engr.

O., Salem — Plans rebuilding disposal plant incl. replacing 10 beds. $200,000.

Wis., Appleton — Plans 2,500 ft. trunk sewers in Richmond and South River Sts., probably 4 ft. diam. $25,000. R. M. Connelly, City Hall, engr.

Wis., Centuria—Making plans sanitary sewerage system. $25,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

Mo., Festus—See "Waterworks."

Mo., Greenfield—Plans 6¼ mi. sewers and 2 disposal plants. W. B. Rollins & Co., 521 Ry. Exch. Bldg., Kansas City, engrs. Noted Sept. 27 under "Waterworks."

Mo., Hannibal—Making plans improving sanitary sewerage system, to exceed $25,000. Black & Veatch, 701 Mutual Bldg., Kansas City, engrs.

Tex., Burkburnett—Voted $50,000 bonds sewer extensions. J. L. Dellis, city engr. Noted Nov. 15.

Tex., Floydada—Plans election to vote on approximately $25,000 bonds, complete sewerage system. G. Baker, First Natl. Bank Bldg., Oklahoma City, Okla., engr.

Tex., Freeport—Election soon to vote on $60,000 bonds sewerage system. G. C. Hardman, mayor.

Okla., Tulsa—City voted $800,000 bonds for 11 mi. storm and sanitary sewers. C. Schultz, city engr. Noted Nov. 22.

Wash., Walla Walla—City making plans 15,000 ft. trunk sewers for northwest part of city, 8 18 in. pipe, 110 manholes.

Ont., Hamilton—Having plans prepared sewers in Hunter and Robert Sts., probably 8-in. pipe. $28,000. Prices wanted on materials. A. L. McFaul, city engr.

Ont., St. Catharines—Having plans prepared extending sewers in Vine, Westchester and Thorold Sts. $28,000. B. L. Lamson, city engr.

Ont., St. Thomas—Preparing plans and takes bids end of January rebuilding and extending sewage disposal system, $65,000. Prices wanted on air compressors, motors, c.i. pipe, reinforcing steel and cement. A. Miller, city engr.

Ont., Windsor — Having plans prepared sewers in Campbell Ave., probably 8 in. pipe, $30,000. Prices wanted on materials. M. E. Brian, city engr.

BIDS DESIRED

W. Va., Wheeling—Dec. 11, by C. E. Ridley, city mgr., Bluefield, furnishing and laying 8 mi. 6-10 in. sanitary sewers, 6 mi. 12-48 in. storm sewers, 2 mi. concrete conduit, 3 ft. x 6 ft. to 4½ x 10 ft.; 500 manhole castings and 200 catch basin castings; ½ mi. of ditch widening. Bids may be made on work as a whole, or in part.

O., Toledo—Dec. 18, by W. T. Jackson, dir. Pub. Serv., constructing Relief Sewer 1432. L. T. Owen, 229 Valentine Bldg., comr. Eng. and Constr.; adv. E. N.-R. Dec. 6

Mich., Detroit—Dec. 14, by Dept. Pub. Wks., furnishing and installing sewage pumps, motors, air compressors, incl. two 24 in. vertical centrifugal pumps, two 15 in. pumps and one 2½ in. centrifugal sump pump, etc. G. Jerome, city engr.

Kan., Great Bend — Dec. 14, by Ruckel Eng. Co., Hutchinson, sanitary sewerage system, 16,500 ft. trench 0-8 ft. deep, 6,300 ft. trench 8 to 12 ft. deep, 11,500 ft. wet

Sewers (Continued)

trench 0 to 3 ft., 2,400 lin.ft. 18 in., 4,950 lin.ft. 15 in. and 14,500 lin.ft. 24 in. lock joint rein.-con. pipe, for city.

Calif., Los Angeles — See "Streets and Roads."

CONTRACTS AWARDED

N. Y., Albany—See "Streets and Roads."

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., receiving basins in Junction Ave., to J. F. Clancy, Inc., 460 Lockwood St., Astoria, $900; sewer in Church St., to Spinella & Muccinni, 6102 28th Ave., Brooklyn, $25,959. Noted Nov. 22.

N. J., Newark—Connections at sedimentation section of Passaic Valley sewer in Newark Meadows, to O'Gara Constr. Co., 242 Market St., $34,000.

N. J., Plainfield—Storm sewers in portions East Front St. and Norwood Ave., to Cocuzzo & De Cicco, Hilton, $30,885.

La., Crowley—See "Waterworks."

La., Ponchatoula—W. R. Haight, mayor and Bd. Aldermen, laying sewer pipe and constructing manholes, etc., to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., $19,831; disposal plant to Hayden Constr. Co., Pass Christian, Miss., $29,500; furnishing vitr. clay pipe to Southern Sewer Pipe Co., 28th Ave. N., Birmingham, Ala., $11,500. Noted Oct. 25.

Ky., Louisville — Comrs. of Sewerage, constructing Dry Run Relief Drain, 1,200 ft. of 9 ft. and 258 ft. of 8 ft. 6 in. semi-elliptical and special structures, to H. Bickel, 443 Garden St., $133,723. Noted Nov. 29.

Minn., Winona—Sewers in Dist. 4, 7,529 ft. 12-18 in. vitr. clay pipe, 45,429 lin.ft. 6 and 8 in. standard vitr. clay pipe, 155 brick manholes, to W. Fraser & Son, 810 Guardian Life Bldg., St. Paul, $93,301. Noted Nov. 1.

Mo., University (St. Louis P. O.)—For 3,400 ft. of 10-36 in. vitr. sewers, etc., in Kingsland Ave., Dists. 31 and 35, to Myers Constr. Co., Merchants-Laclede Bldg., St. Louis, $29,100. Noted Sept. 20.

Calif., Santa Paula—Concrete septic tank for sewerage system to Cox & Tegert, 615 North Olive St., Alhambra, $16,330; 3 mi. 6-20 in. concrete pipe, to Bent Concrete Pipe Co., Security Bldg., Los Angeles, $9,025. Noted Aug. 30.

Waste Disposal

PROPOSED WORK

Calif., Los Angeles—City plans incinerator, $150,000 to $200,000. J. Griffin, city engr.

Bridges

PROPOSED WORK

N. Y., Columbiaville—Town of Stockport plans election to vote on $75,000 bonds two 80 ft. concrete arch spans, concrete girder approaches, to replace present 150 ft. girder bridge, here. Bureau of Highways, Albany, engrs.

Fla., Palatka—Putnam Co. plans election to vote on $500,000 bond issue for bridge over St. Johns River here. S. C. Sallings, Palatka, engr.

Miss., Jackson—See "Streets and Roads."

Tennessee—State Dept. Hys. & Pub. Wks., Nashville, having surveys made for bridge over Harpath River, Cheatham Co. To exceed $25,000. J. G. Creveling, highway comr.

Wis., Merrill — Plans bridge over Wisconsin River on West Main St. $25,000. H. R. Allen, clk. Engineer not selected.

Mo., St. Louis—Soon takes bids rein.-con. and steel bridge to carry Gravois Ave. across River Des Peres. $115,000. L. E. Bowen, 301 City Hall, engr.

Okla., Arnett—Ellis Co. election Dec. 6, to vote on $108,000 bonds for 3 bridges to replace those destroyed by recent flood. F. L. Simmons, Capitol Bldg., Oklahoma City, engr.

Washington—See "Streets and Roads."

Wash., Tacoma — City and Pierce Co. plan bridge over Hylebos Waterway at 11th St., probably bascule with 100 ft. clear channel beneath. $120,000. C. H. Votaw, co. engr. C. E. Putnam, city engr. Noted July 26.

Ore., Albany—Linn Co. voted bonds for 2 spans across Willamette, one here and other at Harrisburg, $294,976 and $203,592 respectively.

Ore., Portland—Multnomah Co. making plans bridge over Columbia River, using old drawspan of Burnside St. Bridge. Will mature about March 1. $75,000. Hedrick & Kremers, 250½ 3rd St., engrs.

Calif., San Raphael — See 'Streets and Roads."

Ont., Guelph — Plans concrete, rein.-con. and steel overhead bridge at Eramosa Rd. $345,000. H. S. Nicklin, city engr.

Ont., Toronto—City, (R. C. Harris, city engr), Canadian Pacific Ry., Windsor St. Sta., Montreal, Que. (J. M. R. Fairbairn, ch. engr.), and Canadian Natl. Ry., New Union Sta. (A. F. Stewart, ch. engr.), had new plans prepared for viaduct and entrance to new Union Sta., incl. 5 overhead bridges across railway tracks at York, Bay, Bathurst, John and Yonge Sts., and 8 subways, 100 ft. long carrying 6 tracks at Eastern Ave., Church, Jarvis, Frederick, Princess, Trinity, Queen and Cherry Sts., total $20,476,000, of which city will pay $4,250,000.

Mexico—Pacific Ry., Mexico City, plans additional bridges and tunnels along line through states of Sonora, Sinahara and Nayarit, $6,000,000, also concrete and steel bridge near Hermosillo, $500,000, and one near Culiacan, $500,000. H. B. Titcomb, pres.

BIDS DESIRED

Fla., Pensacola—Dec. 11, by Comrs. Escambia Co., approaches, trestles and foundations for bridge over Escambia River, McCurdy's Ferry near Century, will be known as Freedom Bridge. $30,000.

Ohio—See "Streets and Roads."

Ia., Audubon—Dec. 20, by Auditor Audubon Co., two 80 x 16 ft. and two 80 x 20 ft. pony truss bridges, and 1 I beam bridge with one 40 x 16 ft. and two 20 x 16 ft. spans. A. J. Van Sise, co. engr.

Ark., Fulton—Private interests, c/o J. B. Shults, Fulton, plan rein.-con. and steel bridge on Bankhead Highway across Red River. $200,000.

Tex., Hemphill—See "Streets and Roads."

Tex., McKinney—Dec. 11, O. T. Murray, judge Collin Co., 6 bridges on State Highway 6, rein.-con. pile trestles, concrete girders and steel spans, incl. forty-three 20 ft., one 80 ft., four 31 ft and one forty-three ft. spans. $95,360. F. W. Cawthon, co. engr.

California—Dec. 24, by State Hy. Comn., Sacramento, 6 rein.-con. girder bridges, in Tehama Co., 2,100 cu.yd. excav., 720 lin.ft. subgrade, 220 cu.yd. Class A concrete pavement, 888 cu.yd. Class A concrete in superstructures and 535 cu.yd. in frame bents, 2,700 cu.yd. excav. for bridge structure, etc. R. M. Morton, state highway engr.

BIDS RECEIVED

New Jersey—State Hy. Dept., Trenton, Nov. 27, 40 ft. 6 in. single leaf bascule span, 30 ft. roadway, incl. concrete pier, steel sheet piling, trestle approaches, gravel embankment approaches and removal of present concrete bridge over Bass River, M. P. 13.9 State Highway Route 4 on road between New Gretna and Tuckerton, in municipality of Bass River, Burlington Co., from L. J. Selling, Broad St., Red Bank, 103.9% engrs. est. ($102,849). Noted Nov. 8.

New Jersey—State Hy. Comn., Trenton, bridge over Raritan River between Perth Amboy and South Amboy, incl. 5,536 lin.ft. earth fill approaches, 1,077 lin.ft. rein.-con. viaduct and main bridge consisting of 1,536 lin.ft. steel plate girder spans carried on concrete piers supported on piles and faced with granite, and 360 ft. swing span, etc., from Stillman, Delahanty & Ferris Co., 1 Exchange Pl., Jersey City, $3,738,921; Frederick Snare Corp., 114 Liberty St., New York City, $3,759,957; Patrick McGovern, Inc., 50 East 42nd St., New York City, $3,862,847. Noted Nov. 1.

Virginia—State Hy. Dept., Richmond, 326 ft. bridge over Jackson River near Clifton Forge, Project S-189-A, Alleghany Co., from R. W. Curtis, Lynchburg, $62,694; 28 ft. bridge over Chuckatuck Creek, near Chuckatuck, Project S-191, Nansemond Co., from Battershill & Goode, Virgilina, $9,756. Noted Nov. 8 under "Streets and Roads."

Alabama—See "Streets and Roads."

Missouri—State Hy. Dept., Jefferson City, Nov. 27, bridges over Little River Diversion Channel, Cape Girardeau Co., also over Castor River, Madison Co., from Farnam Constr. Co., East St. Louis, $116,710 and $25,857 respectively, on Sta. 67 plus 22, Buchanan Co., also bridge over Morgan Branch, and 1 on Sta. 622 plus 65, DeKalb Co., from M. E. Gillioz, Monett, $9,946 and $13,843 respectively, over Cow Branch and bridge on Sta. 331 plus 30, Atchison Co., from G. W. Condon, 510 Farnam Bldg., Omaha, Neb., $11,786; over Robins Draft, Howell Co., from Jones-Harlin Constr. Co., West Plains, $11,169, over Coon Creek, Taney Co., from Easley Bros., Aurora, $8,644, over Chicago & Alton R.R. tracks, Jackson Co., from F. W. Crocker, St. Louis, $10,664, on Sta. 229 plus 18, Pettis Co., from Bertman & Menefee, Sedalia, $2,582; cleaning and painting bridge over Otter Creek, Monroe Co., from A. A. Davis & Co., Oklahoma City, Okla., $60; cleaning, painting and reflooring with (a) untreated timber (b) creosoted timber (1) bridge over Woods Fork of Gasconade River, Wright Co. (2) over Licks Fork of Gasconade River, Wright Co. (3) over Jacks Fork, Texas Co., from Short & Bramer, Monett, (a1) $2,716 (b1) $3,699 (a2) $1,745 (b2) $2,309 (b3) $4,175, Day & Richards, Summerville, (a3) $2,506. Noted Nov. 22 under "Streets and Roads."

Kan., Arkansas City—Cowley Co., (Winfield) Madison Ave. bridge, here, 130 ft. steel truss span, concrete floor and rein.-con. abutments on Federal Aid Project 163, from Maxwell Constr. Co., Columbus, $49,305.

CONTRACTS AWARDED

New Jersey—State Hy. Dept., Trenton, 15 ft. widening of seven 85 ft. arch, two 65 ft. deck plate girder and one 60 ft. bascule spans, incl. all foundations, changes to approaches for distance of 140 ft. on west side and 550 ft. on east side, paving, curbing, walks, retaining walls, gas, sewer lines and trolley tracks over Raritan River, M. P. 13.4, Route 1, Sect. 13, in municipalities of New Brunswick and Highland Park, Middlesex Co., to M. Staub, 21 Wildwood St., Pitman, $367,757. Noted Nov. 8.

S. C., Society Hill—Society Hill Bridge Bd. Marlboro Co., (Bennettsville) and Darlington Co., (Darlington) bridges over Pee Dee River, 3 span steel bridge to Hyde & Baxter, Met. Bank Bldg., Wash., D. C., $64,000; timber bridge to Salmons-Clement Co., Charleston, $35,871; 7 mi. earth work to Mayfield Constr. Co., Denmark, $69,080. Noted Nov. 8.

Ohio—See "Streets and Roads."

O., Youngstown—P. J. Carney, dir. Pub. Serv., foundation for 500 ft. concrete and steel bridge, Belmont Ave., to Parish Bros., Commerce and Decker Sts., $128,740. Noted Nov. 22.

Ind., Richmond—Pennsylvania R.R., 323 Wells St., Chicago, will build 92 ft. half through plate girder spans, by day labor, here. Structural steel, 108 tons, to Fort Pitt Bridge Wks. of Pittsburgh, Oliver Bldg., Pittsburgh. Engrs. est. $25,000. T. J. Skillman, ch. engr.

Minn., St. Paul—City and Ramsey Co., constructing Pier No. 1 of proposed steel and concrete bridge over Mississippi River at Robert St. (bridge to be 1,500 ft. long, 76 ft. wide), to W. J. Hoy Co., Burgess and Mackubin Sts., $53,328. Noted Nov. 8.

S. D., Mobridge—State Hy. Dept., Pierre, 1,488 ft. concrete and steel bridge over Missouri River, here, to Minneapolis Bridge Co., Metropolitan Life Bldg., Minneapolis, Minn., $281,000. Noted Nov. 1.

Kan., Winfield—Crowley Co., two 130 ft. steel truss spans on East Madison Ave., across Walnut Creek, Federal Aid Project 163, to Maxwell Constr. Co., Columbus, Kan., $49,305. Noted Nov. 1.

Tex., Marlin—See "Streets and Roads."

Ont., Prairie Siding — W. G. McGeorge, engr., Chatham, steel and cement bridge, two 100 ft. spans and one 175 ft. central span, here; steel work to Canadian Des Moines Steel Co., Chatham, $78,300. Noted Nov. 1.

Dams

PROPOSED WORK

N. C., Murphy — Southern Appalachian Power Co. plans 170 ft. dam, power house and appurtenant structures on Hiawassee River in Cherokee and Clay Counties to de-

Dams (Continued)

velop 50,000 hp., also several miles transmission line. This development will be first unit of extensive program.

Okla., Heavener—See "Waterworks."

N. M., Las Cruces — See "Industrial Works."

Calif., Los Angeles—See "Waterworks."

Calif., Pescadero — See "Excavation, Drainage, Irrigation."

Calif., Porterville — See "Excavation, Drainage, Irrigation."

Calif., San Fernando—See "Waterworks."

BIDS RECEIVED

Md., Frederick—E. C. Crum, city engr., Nov. 27, earth dam on Fishing Creek, from G. B. Mullin Co., Inc., 1296 Upshur Ave., Wash., D. C., $127,341. Noted Nov. 15.

Calif., Victorville — See "Excavation, Drainage, Irrigation."

Railways

PROPOSED WORK

Texas—Dallas Ry. Co., Interurban Bldg., Dallas, making plans extending 7th St. carline along Edgefield St. to Kings Highway, paving between track, new steel, etc. $25,000. D. A. Brown, c/o owner, engr.

Texas — Texas Electric R.R. Co., Interurban Bldg., Dallas, making surveys extending Dallas Terrell Interurban to Tyler by way of Wills Point or College Mound, to exceed $200,000. D. A. Brown, Interurban Bldg., Dallas, engr.

Texas — See "Industrial Works" under "Dallas."

California — State Bd. Harbor Comrs., Ferry Bldg., San Francisco, having plans prepared reconditioning and extending Belt Line tracks in San Francisco. $50,000. F. G. White, Ferry Bldg., San Francisco, ch. engr.

CONTRACTS AWARDED

Georgia—Davis-Zirkle Lumber Co., Zirkle, will construct 5 mi. standard gauge logging railroad from Mershon to Hurricane Creek, also in market for one 50 ton standard gauge locomotive, spikes, bolts, etc. W. M. Zinkle, secy. Work will be done by company forces.

Excavation, Drainage Irrigation

PROPOSED WORK

Minn., Caledonia—Houston Co., making plans 64,000 lin. ft. open ditch. E. N. Newhouse, aud. Midwest Eng. Co., Albert Lea, engrs.

Minn., Redwood Falls—Redwood Co. making plans Co. Ditch 64. $122,948. F. H. Anthony, Redwood Falls, engr.

Minn., Redwood Falls — Redwood Co. plans Ditch 57, excavation and tiling. $1,500,000. D. W. Gibbs, Marshall, engr.

Mo., St. Louis—Soon takes bids straightening and constructing 5 mi. open drainage canal along bed River Des Peres between Leamington Court and Southwest Ave. $500,000. W. W. Horner, 300 City Hall, engr. Noted Feb. 15.

Wash., Vancouver—Vancouver Shillapo Dist. plans draining Vancouver Lake, 5,108 acres, includes dyking, ditching and pumping plant. $517,488. W. A. Schwarz, Vancouver, engr.

Wash., Yakima — Drainage Impvt. Dist. 41. Wide Hollow Valley, plans system to develop 1,267 acres. $30,000.

Calif., Anderson—Anderson-Cottonwood Irrigation Dist., making plans enlarging canals, siphons and laterals. $25,000. J. H. Larkin, dist. engr.

Calif., Crows Landing—Stanislaus Irrigation Dist. plans to reorganize district incl. approximately 36,000 acres, will divert water from San Joaquin River for irrigation by installation of centrifugal pumps, ranging from 20-36 in., operated by electric motors. E. N. Bryan, Forum Bldg., Sacramento, engr.

Calif., Oakland—Plans election to vote on $4,500,000 bonds dredging along harbor front and constructing pier approximately 6,000 ft. long, 900 ft. wide, with railroad tracks, freight equipment, etc.

Calif., Pescadero—D. H. Atkins, et al., 260 California St., San Francisco, having plans prepared irrigation system, 3 dams, one 50 ft. high, 475 ft. long, 25 ft. on top, earth and rock fill, one 30 ft. high, 570 ft. long and 10 ft. wide on top, rock fill, other 12 ft. high, 600 ft. long, 5 ft. wide on top; pumping plant for first dam 2 centrifugal pumps, 1 No. 4, 4 in. suction, other 4 in. 2 stage, lifts of 60 ft. and 300 ft., second dam one 4 in. suction pump, 100 ft. lift, 20 hp. motors, third dam one 4 in. suction pump. Canals and pipe lines included in project. C. E. Grunsky, Jr., Mechanics Institute Bldg., San Francisco, consult. engr.

Calif., Pescadero—Ano Nuevo Irrigation Dist., c/o Humphreys Estate, 1014 Hobart Bldg., San Francisco, making plans irrigating 2,900 acres, includes storage dam, 120,000 cu.yd. earth fill, 2 mi. main canal and laterals, approximately 1.5 mi. 18 in. riveted steel pipe line, etc. Tibbals & Percival, Forum Bldg., Sacramento, consult. engrs.

Calif., Porterville—C. M. Jones and W. W. Slayden, plan 1.5 mi. canal, small rock dam and power house to develop 182 hp. $15,000.

Calif., San Bernardino — Making plans 1,800 lin.ft. canal from Waterman Canyon Cutlet, north of here, to Twin Creek. $150,000. C. E. Johnson, city engr.

Calif., San Francisco—State Bd. Harbor Comrs. making plans extending seawall south of present grain terminal 1,000 ft., to reclaim 25 acres. $800,000. F. G. White, Ferry Bldg., ch. engr.

Calif., Victorville—Mojave River Irrigation Dist., plans election to vote on $450,000 bonds for hydraulic and earth fill type dam and 21 mi. canals. J. B. Lippincott, Central Bldg., Los Angeles, engr.

Calif., Woodland—Recl. Dist. 1600, c/o H. L. Huston, attorney, Woodland, voted $300,000 bonds for reconstruction and realignment of existing levees, and construction of new levees, ditches, etc.

BIDS DESIRED

N. Y., Brooklyn—Dec. 13, by E. Riegelmann, boro pres., Boro Hall, dredging Gowanus Canal, Newtown Creek Canal and basins, Wallabout Canal, and foot of 64th St. and New York Bay.

Tex., Corpus Christi—Dec. 21, by H. R. Sutherland, judge Nueces Co. dynamiting and dredging Nueces River, removing old sunken craft and deepening river bed. $25,000. C. E. Cocke, co. engr.

BIDS RECEIVED

New York—J. A. Delaney, comr. Docks, Pier "A" foot of Battery Pl., New York City, Nov. 30, dredging channels, constructing dikes, placing fill on West Island in connection with improvement of Jamaica Bay, Queens Boro, from Standard Dredging Co., Inc., (a) $627,520 (d) $271,300; Arundel Corp., foot of Fulton St., Brooklyn, (b) $504,232 (c) $812,586. Noted Nov. 22.

CONTRACTS AWARDED

N. J., Newark — Dept. Streets & Pub. Impvts., City Hall, dredging portion City of Newark channel at Port Newark Terminal, to Great Lakes Dredge & Dock Co., 17 Battery Pl., New York City, $114,000. Noted Nov. 1.

Tex., Edinburg—Dirs. Hidalgo Co. Water Impvt. Dist. 4, 10 mi. concrete canal reconstruction, bridges, etc., to H. B. Livingston, San Benito, $37,034. Noted Sept. 20.

Nev., Lovelock—Lovelock Valley D. D. 1, 336,495 cu.yd. excav., etc., to Union Constr. Co., Ogden, Utah, $0.1375 per cu.yd. Noted Nov. 29.

Streets and Roads

PROPOSED WORK

New York — State Hy. Dept., Albany, plans concrete paving 146,780 sq.yd. Rds. 5338, 127 and 267, Broome Co. $635,500. C. M. Edwards, 116 Chenango St., Binghamton, div. engr.

N. Y., Rochester—Plans extending, curbing and paving 1 mi. Monroe Ave. $50,000. Will mature in spring. G. A. Poole, City Bldg., engr.

N. Y., Schenectady — Soon takes bids grading, laying sidewalks and paving 2.4 mi. Erie Blvd., 68 ft., asphalt or concrete. $250,000. G. Howard, city engr.

D. C., Wash.—Dist. Comrs., 509 Dist Bldg., plan widening M St. to 200 ft., with parkway in center.

Va., Richmond — Takes bids this month curbing and guttering Monument Ave. $50,000. A. J. Saville, dir. Bd. Pub. Wks.

W. Va., Charleston—Dec. 20 to vote on $1,500,000 bond issue for paving, sewers, parks and new market house.

W. Va., Charleston — Union Dist., Kanawha Co., election Dec. 17 to vote on $220,000 bond issue for road work. R. B. Barton Co., engr.

N. C., Asheville — Making plans new thoroughfares from South Market to Biltmore Sts., from Coxe to French Broad Sts. and from French Broad to Clingman Sts. $150,000. F. L. Conder, dir. Pub. Wks.

N. C., Beaufort—Plans to improve and pave streets in business sections and along water front. $100,000.

N. C., Greensboro—Making plans concrete or asphaltic paving 15,000 sq.yd. Lexington St. $40,000. P. C. Painter, city mgr.

Fla., Bradentown — Dec. 21 to vote on $43,000 bond issue for paving various streets. Kirley & Myler, Bradentown, engrs.

Fla., Brooksville — Hernando Co. plans election to vote on $75,000 bonds 12 mi. road Spring Lake to Pasco Co. line; $72,000 bonds 12 mi. road from Pettaway Farm at Spring Lake to Richland; $44,500 bonds 7½ mi. road from Spring Lake and Richland Rd. to Pasco Co. line and Rerdell Rd.; $78,000 bonds 12 mi. road from Brooksville to Citrus Co., through Annullalaga; $25,000 bonds 3 mi. road from Lykes Place to North; $25,000 bonds 4 mi. road from Kitchen's corner northwest to Annullalaga Rd.; $25,000 bonds 4½ mi. road from Brooksville via Springstead Place east and south; $30,000 bonds 5 mi. road from Brooksville easterly; $36,000 bonds 10 mi. road from Spring Hill Rd. via Rock Hill school and Istachatta to Citrus Co.; $29,500 bonds 4 mi. road from Rd. No. 5, north of Brooksville to Tucker Hill. A. Allen, Brooksville, engr.

Fla., Center Hill — City voted $66,000 bonds paving, curbing, and storm sewerage system, $18,000 water works system and $2,000 extension to electric light system. Noted Oct. 25.

Fla., Frostproof—See "Water Works."

Fla., La Belle—City to vote on $25,000 bond issue for paving various streets.

Ala., Birmingham—City and Jefferson Co. take bids in January widening 1st Ave. from 41st to 47th Sts., from 50 to 70 ft., and paving with concrete and bitulithic. A. J. Hawkins, city engr. Noted May 10.

Miss., Biloxi—Voted $90,000 bond issue for street paving and seawall work, and $110,000 for ward school.

Miss., Greenwood—Plans to pave and lay sewers in Church, Mississippi, George and Market Sts. $135,000. W. S. Hawkins, engr.

Miss., Jackson — Dec. 15, to vote on $250,000 bond issue for streets, railway bridges, elimination of grade crossings, etc.

Ky., Hickman — Fulton Co. election in January to vote on $550,000 bonds for Hickman-Fulton Rd., 32 mi. long, 18 ft. wide.

Ky., Pikeville — Pike Co. sold $250,000 bonds for road and bridge work.

Ky., Prestonsburg — Floyd Co. Fiscal Court authorized expenditure of $125,000 for constructing 24 mi. Mayo Trail from Ashland to Pikesville.

O., Akron — Plans brick paving ¾ mi. South Arlington St., 60 ft., $75,000-$85,000; resurfacing ¾ mi. Bway. St., 60 ft., $50,000; widening (6 ft.) and resurfacing about 1 mi. East Exchange St., 68 ft., $150,000. Will mature in spring. E. A. Kemmler, City Bldg., engr.

O., Cleveland — Cuyahoga Co. making plans and opens bids about March 15, bridge on Hilliard Rd., steel superstructure, concrete substructure. $825,000. F. R. Lander, Court House, engr. Noted Aug. 2.

O., Cuyahoga Falls — Plans improving Payne Ave. $70,000.

O., Rocky River—New York, Chicago & St. Louis R.R., Columbia Bldg., Cleveland, takes bids in spring concrete bridge, Blount St., here. $250,000. E. E. Hart, Columbia Bldg., Cleveland, engr. Village of Rocky River, Cuyahoga Co. and railroad, owners.

O., Youngstown—Plans widening 1 mi. Andrews Ave. from 60 to 70 ft. $30,000. W. E. Turner, City Bldg., engr.

Streets and Roads (Continued)

Wis., Kilbourn—Making plans and takes bids about Feb. 1, paving Washington Ave., La Crosse and Eddy Sts., various types incl. concrete. $60,000. E. B. Parsons, Jefferson, engr.

Wis., Manitowoc—Manitowoc Co. election in April to vote on $3,000,000 bonds concrete surfacing, etc., various roads. Wisconsin Hy. Comn., Madison, engrs.

Kan., Victoria—City plans grading, and brick or rein.-con. paving 16 blocks, Glass Forest, Moody and Goodwin Sts., etc. $45,000. Contracts will probably be awarded in spring.

Neb., Papillon—Sarpy Co. voted $80,000 bonds for 12½ mi. hard surfaced roads, vitr. brick and gravel. H. E. McClintock, Bellevue, engr.

South Dakota—State Hy. Dept., Pierre, plans grading 9.8 mi. Federal Aid Project 167, Bon Homme Co., $31,663; 23.5 mi. Federal Aid Project 158, Clay and Turner Counties, $108,262; 25.5 mi. Federal Aid Project 149, Spink Co., $83,044. Lettings early in spring. F. D. Hugdins, state engr.

Mo., Clayton—St. Louis Co. plans grading, opening road where necessary and surfacing Denny Rd. extension from Olive Ave. to St. Charles Rd., macadam, also surfacing Denny Rd. from Gravois to Olive Aves., rein.-con. $75,000-$100,000. W. Elbring, Court House, engr.

Mo., St. Louis—Soon takes bids paving 64,073 sq.yd. Botanical, Castleman, Cleveland and Flat Sts., willite asphalt, $233,100; 5,185 sq.yd. Duncan St., granite on concrete, $40,400; 27,290 sq.yd. Flora St., Kentucky rock asphalt on concrete, $47,900. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids curbing, guttering and paving 2,490 sq.yd. Ohio St., asphalt on concrete, $13,300; resetting curb, building up present base and paving 1,965 sq.yd. Lucas Ave., $12,300. W. W. Horner, city engr.

Ark., Camden—Making preliminary plans 14,000 ft. concrete sidewalks in Shady Grove, Parkview and Washington Heights Dists., average width 5 ft. $25,000.

Tex., Alpine—Brewster Co. making plans grading and gravel surfacing 15.15 mi. State Highway 12, 16 ft. $87,000. A. L. White, co. engr.

Tex., Anson—Jones Co. plans election to vote on $1,500,000 bond issue for constructing Haskell Abilene Rd., brick or concrete. J. F. Linsey, co. judge.

Tex., Cameron—Milam Co. making plans grading and gravel surfacing 4.13 mi. State Highway 43, 18 ft. $40,000. A. F. Mitchell, co. engr.

Tex., Childress—Making plans paving 5 or 6 residence streets, various types. $50,000. R. G. Carraway, city engr.

Tex., Colorado—Mitchell Co. election Dec. 19, to vote on $650,000 bonds, concrete paving State Highway 1, grading and gravel surfacing other roads, 16 and 18 ft. State and Federal Government will appropriate $600,000 if election carries. F. DuBose, co. engr. Noted Nov. 29.

Tex., Crockett—Rd. Dist. 3, Houston Co., election Dec. 15, to vote on $210,000 bonds road work, Dist. 4, also to vote on $80,000 bonds for construction Highway 21. C. H. Milburn, co. engr.

Tex., Dallas—See "Railways."

Tex., Ft. Worth — Making plans hard surfacing various parts Meandering Rd. at Lake Worth. $50,000. D. L. Lewis, city engr.

Tex., Henderson — Rusk Co. soon takes bids grading and gravel surfacing 4.1 mi. State Highway 15 A, 16 ft. $50,000. F. E. Hess, 315 Medical Arts Bldg., Dallas, engr.

Tex., Leakey — Real Co. making plans and soon takes bids grading and bridging 18 mi. Kerrville-Rock Springs Rd., 24 ft. shoulder to shoulder. $90,000. W. E. Simpson, 414 Natl. Bank of Commerce Bldg., San Antonio, engrs.

Tex., Lubbock — Voted $150,000 bonds permanent paving various streets. M. S. Ruby, city mgr.

Tex., Munday—Munday Rd. Dist. Knox Co. plans election to vote on $100,000 bonds, hard surfacing section Abilene Wichita Falls Rd.

Tex., Richmond—Ft. Bend Co. voted $75,000 bonds, highway improvements in Rd. Dist. 7. C. H. Kendall, co. engr.

Tex., Rock Springs—Edwards Co. takes bids soon grading and surfacing with crushed rock on sledged stone 17.13 mi. State Highway 41. $154,000. W. E. Simpson, 414 Natl. Bank of Commerce Bldg., San Antonio, engr.

Tex., Vernon — Wilbarger Co. defeated $600,000 bond issue concrete and gravel surfacing 37 mi. highways and laterals. J. Nabors, co. engr. Noted Nov. 8.

Okla., Barnsdale — Plans grading and paving Main and Chestnut Sts., 5,600 sq.yd. vertical fibre brick, 3,100 lin.ft. concrete, 2,800 cu.yd. earth, 130 cu.yd. rock excav. $30,633. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Durant—Plans grading and paving 4th, Elm and Beech Sts., 11,250 sq.yd. concrete, 4,900 lin.ft. curbing, etc. $46,000. L. V. Stinson, Durant, engr.

Okla., McAlester—Plans grading and paving Commanche, Seminole, Osage and 7th Sts., 15,300 sq.yd. concrete, 9,000 lin.ft. curbing and 5,800 cu.yd. excav. $71,000. E. M. Fry, McAlester, engr.

Okla., Norman—Plans grading and paving Symnes, Trout, Jenkins, Elm and Brooks Sts., 16,250 sq.yd. concrete, 8,400 lin.ft. curbing, etc. $67,500. F. Cobb, Norman, engr.

Okla., Oklahoma City — Plans grading and paving 12th, 19th and 29th Sts., 6,800 sq.yd. asphalt, 3,800 lin.ft. curbing, etc. $28,000. B. M. Hart, City Hall, engr.

Okla., Oklahoma City—Plans grading and paving 5 blocks 3rd St., 5,200 sq.yd. asphalt, etc. $27,500. B. M. Hart, City Hall, engr.

Okla., Pryor—Mayes Co. having surveys made grading and graveling 8 mi. Jefferson highway, 75,000 sq.yd. gravel, 40,000 cu.yd. excav. $30,000. F. Settle, Pryor, engr.

Washington—State Hy. Dept., Olympia, plans to expend $5,300,000 on new road work, incl. paving 53 mi. highway, grading 280 mi., constructing several large bridges, grading 50 mi. on Olympic Peninsula and paving 16 mi. highway between McCleary Creek and Elma. J. Allen, state highway comr.

Wash., Kelso — City Comn. takes bids about Dec. 11, paving Cedar, Grant and cross streets, West Kelso, $144,000. U. G. Jackson, city engr. Noted Nov. 1.

Wash., Seattle—King Co. had plans prepared grading and gravel surfacing 1.2 mi. 10th Ave. N. E. $42,000. T. R. Beeman, co. engr.

Oregon—State Hy. Dept., Salem, sold $1,000,000 bonds for highway construction. R. F. Klein, state highway engr.

California—State Hy. Dept., Sacramento, plans to relocate and widen 8 mi. Shasta River to Gazelle Rd. and 15 mi. Yreka to Klamath River Rd., gravel surface 17 mi. Gazelle to Yreka Rd., all foregoing Siskiyou Co.; grading and gravel surfacing 10 mi. Bayha-Pollock Rd., Shasta Co. R. M. Morton, state highway engr.

Calif., Mill Valley—Making plans paving Alcatraz, Corte Madera and Gardner Sts., etc. To exceed $25,000. J. C. Oglesby, Cheda Blk., San Rafael, engr.

Calif., Riverside—Riverside Co. rejected bids grading, curbing and surfacing 6.2 mi. Jack Rabbit Trail. New surveys will be made for 18 ft. macadam road. Noted Nov. 22.

Calif., San Luis Obispo—Plans election to vote on $300,000 bonds to finance completion of Cambria Rd. W. J. Black, co. surv.

Calif., San Francisco—Bd. Harbor Comrs., Ferry Bldg., plans paving portions of waterfront. $32,000. F. G. White, ch. engr.

Calif., San Raphael — Marin Co. plans 4,900 ft. causeway, pile construction, 2 or 3 miles of roadway to be shaped. $150,000.

Que., Montreal—City of Montreal, Quebec Bd. Trade, and County Councils of Lotbiniere and Levis, etc., plan roadway on Quebec Bridge. Cost $300,000, more than half to be spent on approaches to bridge.

Ont., Hamilton—Having plans prepared cement pavements on Bowen and Main Sts. from Kenilworth Ave. to city limits. $50,000. Prices wanted on materials. W. L. McFaul, city engr.

Ont., North Bay—Plans 15,000 sq.yd. asphalt or bituminous concrete pavements on concrete with concrete curbs and gutters, on Fisher and Cassells Sts., 1st and Klock Aves. $35,000. W. Mackie, town engr.

Ont., St. Thomas — Will soon prepare plans for asphalt on concrete pavements for 1924. $40,000. Prices wanted on materials. W. C. Miller, city engr.

BIDS DESIRED

Conn., New Britain—Dec. 12, by State Bd. Educ., Hartford, grading and laying concrete walks around new normal school. $30,000. Noted Apr. 26.

N. Y., Brooklyn—Dec. 12, by E. Riegelmann, boro pres., Boro Hall, repairing roadway of Liberty Ave., permanent asphalt on 6 in. concrete.

N. Y., Long Island City—Dec. 10, by M. E. Connolly, pres. Queens Boro. Queens Subway Bldg., sheet asphalt repaving Jackson Ave., etc.

Pa., Ebensburg—Dec. 19, by Comrs. Cambria Co., 12,244 ft. rein.-con. on Ligonier Rd., 16 ft. H. F. Dorr, 419 Trust Bldg., engr.

Pa., Somerset—Dec. 27, by Comrs. Somerset Co., County Court House, reconstructing 2 mi. highway on State Route 56; adv. E. N.-R. Dec. 6.

Fla., Bartow—Dec. 11, by Comrs. Polk Co., grading, curbing and constructing 26,000 sq.yd. pavement, bituminous macadam, asphalt on clay, etc., also one concrete and steel bridge, 160 cu.yd. rein.-con., etc. May be bid on separately. $60,000.

Fla., Lakeland—Dec. 20, by city, grading, curbing, paving, widening, etc., streets, avenues, courts, drives, driveways and alleys. C. C. Brown, city engr.; adv. E. N.-R. Dec. 6.

Fla., Miami—Dec. 11, by City Comn., 11,598 sq.yd. concrete sidewalks, Contr. 25, also 15,486 sq.yd. bituminous macadam and 15,486 sq.yd. gravel, Cont. 49. F. H. Wharton, city mgr.

Alabama—Dec. 27, by State Hy. Dept., Montgomery, concrete bitulithic paving 6.7 mi. highway from Browns Station to Uniontown. $75,000. W. S. Keller, state highway engr.

Louisiana—Dec. 18, by State Hy. Comn., Reymond Bldg., Baton Rouge, constructing 18 mi. State Aid Project 391, Richland Parish. J. M. Fourmy, ch. engr.

Tenn., Lebanon—Schools—Dec. 14, by Bd. Educ., 2 story and basement, brick and rein.-con. school buildings. $150,000. C. K. Colley, 4th and 1st Natl. Bank Bldg., Nashville, archt. Noted Nov. 22.

Tenn., Memphis—Hotel—Dec. 17, by W. Ahlschlager, Inc., archts., 65 East Huron St., Chicago, constructing Hotel Peabody, 12 story, 600 rooms, rein.-con., brick and steel, Union Ave. from South 2nd to South 3rd Sts., here, for Southern Hotel Co., Inc., 257 South Main St. $3,000,000. Noted Nov. 22.

Ohio—Dec. 11, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 7.708 mi. roads in Athens, Columbiana, Geauga and Wyandot Counties. A. V. Donaheys, dir. highways.

Indiana — Dec. 18, by State Hy. Comn., Indianapolis, brick, bituminous concrete and concrete paving 7.511 mi. Dixie Bee Line Rd., Federal Aid 35 Sect. A and Federal Aid 64, Sullivan Co.; 8.309 mi. Lafayette Pike, Federal Aid 40, Sect. B, Boone Co.; 8.788 mi. Sect. A and 8.705 mi. Sect. B Michigan Rd., Federal Aid 45, Marion and Shelby Counties, 6.126 mi. Sect. A, 6.678 mi. Sect. B and 10.39 mi. Sect. C, Bluff Rd., Federal Aid 63, Marion, Morgan and Johnson Counties, 6.208 mi. Dixie Bee Line Rd., Federal Aid 65, Sect. A, Gibson Co., 6.969 mi. Sect. A and 6.847 mi. Sect. B Range Line Rd., Federal Aid 70, Miami Co., 6.299 mi. French Lick Rd., Federal Aid 16, Sect. G, Dubois Co.; gravel base on 5.595 mi. Tell City-English Rd., Federal Aid 19, Sect. B, Perry Co.; grading and structures under 20 ft. span on 3.484 mi. Sect. A and 4.204 mi. Sect. B Salem-Palmyra Rd. Federal Aid 23, Washington Co. J. D. Williams, dir.

Michigan—Jan. 15, by State Hy. Dept., Lansing, grading and surfacing 1 mi. State Trunk Line Rd. 46-25, and 0.992 mi. State Trunk Line Rd. 27-12, Sect. D, Sanilac Co., asphalt, concrete or bituminous concrete.

Ill., Waukegan—Dec. 11, by Lake Co. Road and Bridge Com., improving Sect. Y, Highwood-Halfday Rd., and Sect. 27, Green Bay Rd. C. E. Russell, co. supt. highways; adv. E. N.-R. Dec. 6. Noted Aug. 2.

Minn., St. Paul—Dec. 11, by H. W. Austin, city purch. agt., paving Payne Ave. between Jessamine and Maryland Sts. and between Maryland St. and north city limits, grading and paving White Bear Rd. between Payne Ave. and north city limits. G. M. Shepard, city engr.

Kan., Topeka—Dec. 21, by County Clerk grading and surfacing 3.986 mi. Golden Belt Rd., Project 177 Sect. A, 18 ft. wide. A. C. Lagerwall Co., Topeka, engr. Noted Nov. 29.

Streets and Roads (Continued)

Tex., Corpus Christi—Dec. 21, by H. R. Sutherland, judge Neuces Co. highway improvement, incl. 72,000 cu.yd. earth and 26,000 cu.yd. borrow excav., 106,500 sq.yd. concrete, 44,000 lb. reinforcing, etc. $150,000. C. E. Cocke, co. engr.

Tex., Corsicana—Dec. 20, by City Com., paving 5½ blocks 6th and South 9th Sts., warrenite bituilithic, concrete or Uvalde rock asphalt. $25,000. W. W. McClendon, city engr.

Tex., Eastland—Dec. 17, by City Com., 8,613 sq.yd. paving, 4,709 ft. curb and gutter, etc., on Moss St., 3 in. brick on 4 in. macadam and on 5 in. concrete with sand cushion. $45,000. J. A. Wright, city engr.

Tex., Ft. Worth—Comrs. Tarrant Co. taking bids paving 2 mi. Hicks Rd., bituminous macadam. $25,000. D. A. Davis, co. engr.

Tex., Hallettsville—Dec. 20 (change of date) by Comrs. Lavaca Co., grading, etc., 14.23 mi. highways, 94,000 cu.yd. earth and 800 cu.yd. rock excav., 40,000 cu.yd. earth borrow, etc. $175,000. W. K. Koetcher, co. engr. Noted Nov. 29.

Tex., Hemphill—Dec. 22, by W. H. Davidson, judge Sabine Co., grading, gravel surfacing and bridging 14.69 mi. State Highway 8, Federal Aid Project 327 B, 12 ft., (23,005 cu.yd. gravel surfacing to be furnished by county). $94,793. W. A. French, San Augustine, co. engr.

Tex., Rock Springs—W. E. Simpson Co., engrs., Natl. Bank of Commerce Bldg., San Antonio, taking bids improving 17.13 mi. highway from here to county line, 16 ft., sledged stone base, crushed stone surface, for Edwards Co. $154,000.

Tex., Uvalde—Dec. 21, by Comrs. Uvalde Co., highway improvements incl. 16,000 cu. yd. gravel surfacing and screening, 12,000 cu.yd. gravel surfacing, and 10,000 cu.yd. stripping gravel pits. $30,000. M. B. Hodges, co. engr.

California—Dec. 17, by State Highway Comn., Sacramento, grading 7.3 mi. road between Truckee and Boca. R. M. Morton, state highway engr.

California—Dec. 17, by State Hy. Comn., Sacramento, concrete paving 9 mi. road between Elk Grove and Sacramento. R. M. Morton, state highway engr. Noted Nov. 15.

California—Dec. 18, by State Hy. Dept., Sacramento, grading and surfacing with crushed gravel or broken stone 9.9 mi. road from Bayha to Halfway Creek. R. M. Morton, state highway engr.

Calif., Los Angeles—Western Building & Investment Co., Marsh-Strong Bldg., taking bids improving 108th to 111th Sts., between Vermont Ave. and Hoover St., 6,250 lin.ft. oil and gravel paving, 100,000 sq.ft. sidewalks, 50,000 lin.ft. curbing.

Calif., San Jose—Dec. 17, by Supervs. Santa Clara Co., improving Sect. 1 Santa Clara-Los Gatos Rd., 881,956 sq.ft. cement concrete, asphaltic concrete or oil macadam; Sect. 2, portion of Santa Cruz Ave., in Los Gatos, 52,513 sq.ft. 6 in. concrete; Agnes Rd., 101,840 sq.ft. oil macadam (county will furnish base material, rock and screenings free at county quarry at Saratoga); McLaughlin Ave., 11,408 sq.ft. oil macadam. No bids received under former advertisement. R. Chandler, co. surv. Noted Nov. 8.

Calif., Santa Rosa—Dec. 13, by Supervs. Sonoma Co., grading 38.53 mi. Jenner-Mendocino Co. Highway, 240,000 cu.yd. excav., etc. W. W. Felt, Jr., clk.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, Nov. 28, asphalt repaving Throop Ave. and Empire Blvd., from Sicilian Asphalt Paving Co., 41 Park Row, New York, $22,024 and $29,725 respectively. Noted Nov. 22.

N. Y., Buffalo—Dept. Pub. Wks., Nov. 27, paving (1) Leslie St. (2) Woodlawn Ave. (3) Courtland St. (4) Norfolk Ave. (5) Dartmouth St. (6) Devereaux St. (7) Berkshire St. (8) Nicholson Ave. with (a) asphalt (b) brick, from Rock Asphalt & Constr. Co., Morgan Bldg., (1a) $42,673 (8a) $23,916; B. F. Spire, 24 Colonial Circle, (1b) $40,750; H. P. Burgard Co., Fillmore Ave., (2a) $38,000 (3a) $23,900 (4a) $38,000 (5a) $50,300 (6a) $10,000 (7a) $38,200; Erie Contg. Co., Morgan Bldg., (2b) $29,436 (3b) $25,597.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Nov. 26, grading, curbing and laying sidewalks on (1) Alstyne Ave. (2) Pierce Ave. grading, curbing, laying sidewalks and asphalt paving (3) Prospect Ave. (4) Radcliffe St. (5) 76th St. (6) 84th St. (7) 90th St.; sheet asphalt paving (8) 76th St. (9) 89th Ave. (10) 90th Ave., from R. A. Hess, Inc., 14 Queens St., Astoria, (1) $16,165 (2) $8,678 (4) $15,395; Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, (3) $15,509; C. Kurth, 9519 126th St., Richmond Hill, (5) $8,395; J. J. O'Brien, William St., Jamaica, (6) $5,170 (7) $10,199; Cleveland Trinidad Paving Co., Flushing, (8) $27,440 (9) $23,324 (10) $20,580. Noted Nov. 22.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, repaving Fisher Ave., bituminous macadam, from J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $30,560. Noted Nov. 22.

New Jersey—State Hy. Comn., Trenton, rein.-con. paving 19,787 sq.yd. Route 15, Sect. 5, Millville to Menantico Creek, Cumberland Co., from M. Staub, 21 Wildwood St., Pitman, 94% engrs. est. ($152,165). Noted Nov. 8.

Virginia — State Hy. Dept., Richmond, grading, etc., 3 mi. Project S-143-C, Bedford Co., from R. H. Langhorne, Evington, $32,865, 2 mi. Project S-327, Russell Co., from W. H. Meadows, Coeburn, $66,343, 4.6 mi. Project S-245, Wise Co., from V. E. Cornett & Co., Independence, $141,906; grading 2.5 mi. Project F-140-B and C, Augusta Co. and concrete paving 4.9 mi. Project F-166-C, Hanover Co., from Pace Constr. Co., Roanoke, $89,683 and $234,822 respectively; concrete paving 0.81 mi. Project S-335-A, Lunenburg Co., from Ford & Harvey, Lynchburg, $28,873; bituminous macadam paving 2.39 mi. Project S-317-A, Mecklenburg Co., from Tinsley Constr. Co., Inc., Box 317, Roanoke, $70,671; graveling 2.9 mi. Project F-166-A, King William and Hanover Counties, from Hagedorn Constr. Co., Box 619, Greensboro, N. C., $52,743; (a) graveling (b) bituminous macadam surfacing 13.5 mi. Project S-326, Norfolk Co., from C. R. Sanderson Oceana, (a) $209,385, General Constr. Co., 405 Seaboard Bank Bldg., Norfolk, (a) $215,333 (b) $406,823. Noted Nov. 8.

Florida — State Rd. Dept., Tallahassee, excavation, broken stone base course, concrete, gravel base course on 11.33 mi. Project 544-B, from Barber Fortin Co., Jacksonville, $270,054; excavation, broken stone base course, concrete, reinforcing steel 13.596 mi. Project 40-E, from Langston Constr. Co., Titusville, $286,652, and Project 604, Volusia Co., from C. F. Lytle, Jacksonville, $191,432; excavation and crush rock on 21 mi. project 605, Polk Co., from Langston Constr. Co., Titusville, $60,734; excavation, broken stone base course, concrete, reinforcing steel, gravel base course, Project 544-A, Pasco Co., from F. S. Whitney, St. Augustine, $118,255; excavation, mixing and shaping sand and clay surface on 14.73 mi. Project 571, Madison Co., from Hunter & Gladwell, Lake City, $85,901; excavation, broken stone base course, bituminous macadam surface on 12.416 mi. Project 521, Nassau Co., from Morgan Hill Paving Co., Graham Bldg., Jacksonville, $245,406; excavation, crushed rock, marl base, etc., on 5.68 mi. Project 576, Sarasota Co., from S. T. Buchanan & Son, Lakeland, $48,511; clearing, grubbing, embankment, incl. one 20 ft. bridge, 3.2 mi. Project 38-A, Escambia Co., from Hardaway Contg. Co., Columbus, Ga., $513,248. Noted Nov. 15.

Fla., Pensacola—Pensacola Co., grading and paving parking spaces and driveways, along Gulf Beach Highway, will pave parking spaces with clay gravel, driveways with concrete from Speed-Parker, Inc., Pensacola. $55,428.

Alabama—State Hy. Dept., Montgomery, grading and surfacing road from Russellville to Phil Campbell, 18 and 24 ft., Federal Aid Project 135, Sect. A, Franklin Co., from Scott Chambers, West Point, Ga., $71,235; concrete bridge on above road from W. M. Thompson, Lafayette, $17,668. Noted Nov. 1 and Oct. 25.

Michigan — State Hy. Dept., Lansing, grading and surfacing 2.901 mi. State Trunk Line Rd. 23-10, Branch Co., 13,946 cu.yd. excav., 33,978 sq.yd. concrete, from Waterbury & O'Shaughnessy, Coldwater, $67,672. Noted Nov. 22.

Missouri—State Hy. Dept., Jefferson City, Nov. 27, grading roads **(S. P. 3-107 Christian means State Project Route 3, Sect. 107, Christian Co.)**, S. P. 3-107, Christian, also concrete paving 2.917 mi. S. P. 35-4, Jackson and S. P. 35-3, Jackson, from Carterville Constr. Co., Carterville, $9,939, $76,692 and $70,655 respectively; grading 0.094 mi. S. P. 3-115, Taney, from Easley Bros., Aurora, $2,158; 2.939 mi. S. P. 5-3, Putnam, and 3.828 mi. S. P. 5-2, Putnam, from J. L. Simmons, La Plata, $8,094 and $13,764 respectively; 4.04 mi. S. P. 47-1, Lincoln, from W. P. Smith, Troy, $29,211; 2.583 mi. S. P. 35-3, Jackson, 2.917 mi. S. P. 35-4, Jackson, also concrete paving 2.583 mi. S. P. 35-3, Jackson, from F. F. Eberhardt Paving Co., Salina, Kan., $15,635, $14,318 and $70,655; grading 2.426 mi. S. P. 1-6, Atchison, from G. W. Condon, 510 Farnum Bldg., Omaha, Neb., $12,936; 4.207 mi. S. P. 76-8, Taney, from Creich Constr. Co., St. Louis, $35,424; 3.566 mi. S. P. 12-17, Pettis, and oil asphalt macadamizing 3.566 mi. S. P. 12-17, Pettis, from A. A. Davis & Co., 301 West 19th St., Oklahoma City, Okla., $35,036 and $34,668 respectively; refined tar macadamizing 3.566 mi. S. P. 12-17, Pettis Co., from Harrison Constr. Co., Des Moines, Ia., $37,683. Noted Nov. 22.

Missouri—State Hy. Dept., Jefferson City, Nov. 27, improving roads **(S. P. R. 20-11, Lafayette means State Project Route 20, Sect. 11, Lafayette Co.)**, grading 0.729 mi. S. P. R. 20-11, Lafayette, also concrete paving 8,059 sq.yd. S. P. R. 20-11, Lafayette, from Cook & O'Brien Constr. Co., 305 Ry. Exch. Bldg., Kansas City, $28,346 and $26,192 respectively; grading 5 mi. S. P. R. 31-3, De Kalb, also 4.779 mi. S. P. R. 1-34, Buchanan, from M. E. Gillioz, Monett, $30,036 and $48,124 respectively; 4.754 mi. S. P. R. 16-52, Howell, and 4.811 mi. S. P. R. 16-53, Howell, from Muskogee Contg. Co., Tulsa, Okla., $20,681 and $15,297 respectively; 1.184 mi. S. P. R. 80-1, Ozark, from Smith & Creech Constr. Co., St. Louis, $11,886; 0.139 mi. S. P. R. 1, Madison, from Riley & Bailey Constr. Co., International Life Bldg., St. Louis, $2,080; 4.104 mi. S. P. R. 3-108, Christian, from Cox & Chaney, Branson, $14,131; 2.483 mi. S. P. R. 7-83, Texas, from Short & Bramer, Monett, $9,777; 1.366 mi. S. P. R. 1-19, Holt, from Allison Dillingham Constr. Co., Oregon, $11,516; 4.916 mi. S. P. R. 21-4A, Washington, from G. S. Wallace, Old Mines, $32,825; 1.572 mi. S. P. R. 12-16, Pettis Co., from C. L. John Constr. Co., Warrensburg, $8,048; 4.034 mi. S. P. R. 15-28, Monroe Co., from Newton Constr. Co., California, $36,970. Noted Nov. 22.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, Nov. 27, grading 32,638 cu.yd. Lilian Ave., also 13,090 cu.yd. Geraldine Ave., from Fruin-Colnon Constr. Co., Merchants-Laclede Bldg., $22,737 and $10,307 respectively; 3,945 cu.yd. McDonald Ave., and 7,310 cu.yd. McCune Ave., from T. E. Cavanagh, 6452 Oakland St., $2,999 and $5,638 respectively.

Tex., Waco—Paving with 2 in. warrenite bitulithic on 5 in. concrete, North 15th St. from West to Vermont Sts. and Vermont St. from 15th to 25th Sts., from Central Bitulithic Co., Praetorian Bldg., Dallas. $77,215. Noted Nov. 1.

Calif., Los Angeles—Bd. Pub. Wks., improving Figueroa St., 786,105 sq.ft. 6 in. concrete and 32,230 sq.ft. 2 in. bituminous pavement, 21,232 lin.ft. concrete curb, 63,746 sq.ft. walks, sanitary sewerage system, etc., from Tyron & Barin, Tajo Bldg., approximately $335,800.

Calif., Lynwood—Improving Beach, Chester, South Beach Sts., etc., 88,300 sq.ft. walks, 28,100 ft. curb, 33,700 sq.ft. gutter, 576,800 sq.ft. grade, 133,900 sq.ft. oiling, 442,900 sq.ft. 4 in. macadam paving, from Hall-Johnson Co., P. O. Box 51, $112,816.

Calif., Santa Ana—Improving (1) West 5th St., 172,100 sq.ft. grading and 7 in. concrete paving, 26,670 sq.ft. 6 in. concrete paving, 2,195 lin.ft. concrete curb, sewers, etc., (2) Wilshire Ave., 530,875 sq.ft. 5 in. concrete paving, 1,797 ft. concrete curb, etc., from Wells & Bressler, Santa Ana, $56,161 and $106,390 respectively. Noted Nov. 1.

CONTRACTS AWARDED

N. Y., Albany — Bd. Contr. & Supply, grading and laying vitr. clay sewers in 3,200 ft. Pinewood Ave. S., to S. B. Easton, 113 Homestead Ave., $19,459; 1,280 ft. Hollywood Ave., to F. Sheehan, 446 Yates St., $15,264. Noted Nov. 22.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, paving Clarkson Ave., asphalt, to Borough Asphalt Co., 1301 Metropolitan Ave., $32,001; repaving 2nd Ave., granite block, to Leonard Paving Co., 233 Bway., New York, $88,262; grading, curbing, flagging, paving and repaving Sheepshead Bay, asphalt, to Cranford Co., 52 9th St., $70,086. Noted Nov. 15.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., paving Buckley St., granite block, to Welsh Bros. Contg. Co., 32 Queens St., Astoria, $13,974, 102nd St., sheet asphalt, to Borough

Streets and Roads (Continued)

Asphalt Co., 1301 Metropolitan Ave., Brooklyn, $54,700; grading sidewalk space and gutters in Caffrey Ave., to R. A. Hess, Inc., 14 Queens St., Astoria, $2,660; grading, curbing, recurbing, flagging, reflagging, etc., 102nd St., to J. J. O'Brien, Jr., William St., Jamaica, $18,124. Noted Nov. 22.

Pa., Pittsburgh—Paving Manchester Ave., to Booth & Flinn Ltd., 1942 Forbes St., $92,776; Bennett St., to M. O'Herron Co., South 1st and McKean Sts., $41,730; Flotilla Way to M. Mannella, 5140 Breedshill St., $11,526.

La., Crowley—See "Waterworks."

Kentucky — State Hy. Dept., Frankfort, grading 2.646 mi. Hazard-Jackson Rd., 24 and 28 ft., State Project 4, Sect. B, Perry Co., to Codell Constr. Co., Winchester, $46,884; 3.996 mi. Hazard-Whitesburg Rd., 24 and 28 ft., State Project 4, Sect. C, Perry Co., to J. C. Williams, Winchester, $77,463; paving 12.6 mi. Winchester-Clay City Rd., 18 ft., State Project 4, Sect. A, Clark Co., waterbound macadam, to E. E. Price Co., 723 Hambrick Ave., Lexington, $360,061. Noted Sept. 6 and 20.

Kentucky — State Hy. Dept., Frankfort, paving various roads (**F. A. P. means Federal Aid Project, S. P. State Project**), gravel surfacing 14.032 mi. Marion-Princeton Rd., 14 ft., S. P. 10, Sect. C, Caldwell Co., to McQuarry Bros., Hopkinsville, $96,845, 7.212 mi. Marion-Princeton Rd., 14 ft., S. P. 10, Sect. C, Crittenden Co., to Costello Bros., Henson Bldg., Knoxville, Tenn., $54,469, 7.765 mi. Madisonville-Hopkinsville Rd., 18 ft., F. A. P. 111, Christian Co., to Alexander Bros., Cadiz, $169,595, surface treating above roads, to Atlantic Refining & Asphalt Co., Candler Bldg., Atlanta, Ga., $12,928, $6,603 and $9,636 respectively; waterbound macadam surfacing 5.54 mi. London-Mt. Vernon Rd., 18 ft., F. A. P. 29, Sect. E, Laurel Co., to E. A. Chilton, London, $175,208, surface treatment, to Atlantic Refining & Asphalt Co., Candler Bldg., Atlanta, Ga., $8,712, 17.082 mi. Owenton-Georgetown Rd., 14 ft., S. P. 49, Sect. A, Owen Co., to Billiter & Oliver Bros., Covington, $362,327, surface treatment, to F. G. Breslin, 32nd and Market Sts., Louisville, $23,586, 10.155 mi. Scottsville-Glasgow Rd., 18 ft., F. A. P. 112, Allen Co., to Gorrell & Traughber, Russellville, $301,463; grading 10.941 mi. Irvine-Beattyville Rd., 24 and 28 ft., S. P. 29, Sect. B, Estill Co., to Connelly Constr. Co., Somerset, $253,992. 9.498 mi. Richmond-Mt. Vernon Rd. (Boone Gap Route) 26 and 30 ft., F. A. P. 88, Madison and Rockcastle Counties, to Codell Constr. Co., Winchester, $119,456, 9.924 mi. Beattyville-Booneville Rd., 24 and 28 ft., S. P. 31, Sect. A, Lee and Owsley Counties, and 10.898 mi. Richmond-Mt. Vernon Rd., 26 and 30 ft., F. A. P. 88, Madison and Rockcastle Counties, to Ellis, Smeathers & Brantley, Owensboro, $221,417 and $158,421 respectively, 16.558 mi. Somerset-Whitley City Rd., 24 and 28 ft., F. A. P. 110, Pulaski Co., to Ping Bros. Constr. Co., Somerset, $191,440; reinforced concrete surfacing 17.035 mi. Barboursville-Corbin Rd., F. A. P. 61, Sect. C, Knox Co., to G. S. Kreis, Knoxville, Tenn., $561,850. Noted Nov. 15.

Latest advice is that contracts on above projects will be awarded Dec. 10. Above prices, therefore, are merely lowest bids and not contract prices.

Ohio — Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 2.821 mi. Sect. "B," 2.825 mi. Sect. "E," and 0.521 mi. Sect. "Ohio-City," Van Wert-Rockford Rd., Van Wert Co., first 2 sections bituminous macadam, asphalt, and latter rein.-con., to Putman & Shindeldecker, Van Wert, $60,933, $57,147 and $11,803 respectively. Noted Nov. 22.

O., Akron—W. F. Peters, dir. Pub. Serv., improving North Main St., to T. E. McShaffrey Constr. Co., 171 South Forge St., 26,000 cu.yd. grading $0.60 per cu.yd., 3,400 sq.yd. brick gutter, asphalt filler $2.35, 16,800 sq.yd. asphalt willite pavement Plan B, Trinidad $1.85, etc., total $158,808. Noted Nov. 22.

Michigan — State Hy. Dept., Lansing, grading and surfacing 0.582 mi. State Trunk Line Rd. 53-3, and 1.464 mi. State Trunk Line Rd. 38-7, Sect. B, Sanilac Co., 20-40 ft., to Murray & Fremont, Bad Axe, $18,954 and $49,628 respectively.

Kan., Independence—Montgomery Co., grading and bituminous macadam surfacing 5.141 mi. Chaney Rd., Sect. C, Federal Aid Project 121, 18 ft., to A. G. Sherwood, Independence, $128,783. Noted Nov. 8.

South Dakota—State Hy. Dept., Pierre, gravel and rock surfacing 12 mi. highway from Elk Point to Sioux City, to W. R. Larson, 519 Secy. Natl. Bank Bldg., Sioux Falls, $57,000.

Ark., Little Rock—Improving East 2nd, Cumberland Rock, Byrd, Commerce, Sherman, Ferry, Collins and Rector Sts., in Dist. 356, to P. F. Connelly Constr. Co., Little Rock, 3 in. asphalt top $1.44 sq.yd., 6 in. concrete base $1.35, etc., total $75,085. Noted Nov. 8.

Ark., Mena—Grading and gravel surfacing 16 mi. Mena-Egger Highway, 18 ft., to Western Constr. Co., Little Rock, $90,000.

Ark., Walnut Ridge—Grading and gravel surfacing in Rd. Dist. 8, to C. Hager, Walnut Ridge, $50,000.

Tex., Coleman—Coleman Co. graveling 4 mi. Rockwood-Colorado River Rd., to Austin Bros. Bridge Co., Clarence St., Dallas, $28,551. Noted Oct. 25.

Tex., Jefferson — Marion Co., grading, gravel surfacing, etc., 14.42 mi. State Highway 49, Federal Aid Project 364, 16 ft., to Womack Constr. Co., Sherman, $108,419; 34,716 cu.yd. gravel to be furnished by county. Engrs. est. $148,600. Noted Nov. 29.

Tex., Marlin — Falls Co. grading and gravel surfacing 7.65 mi. State Highway 44, Federal Aid Project 331-B, 16 ft., to H. Popejoy, Marlin, $42,680, 19,949 cu.yd. gravel to be furnished by county $34,400, engrs. est. $84,803; grading, gravel surfacing and bridging 5.68 mi. State Highway 44, Rd. Dist. 3, State Aid Project 410-B, 18 ft. to P. M. Skinner, 5632½ Reiger Ave., Dallas, $61,779, 14,154 cu.yd. gravel to be furnished by county, engrs. est. $101,146. Noted Nov. 22.

Calif., Compton — City improving Wilmington St., 72,800 sq.ft. grading, 72,800 sq.ft. 5 in. concrete, steel and concrete culverts, curbs and walks, to G. H. Oswald, 366 East 58th St., Los Angeles. $30,500.

Calif., Oakland — Paving 5th St. from Harrison to Oak Sts., to Heafey, Moore & McNair, 2030 High St. 52,500 sq.ft. grading $0.05, 50,400 sq.ft. 2 in. Warrenite bitulithic on 6 in. concrete $0.30, etc.; 75th Ave. from Beck St. northeast, to Hutchinson Co., Hutchinson Bldg., 35,557 sq.ft. grading $0.035, 15,982 sq.ft. oil macadam paving $0.11, 7,022 sq.ft. cement walks $0.16, etc.

Calif., Sausalito — Improving Princess St., to McDonald Improvement Co., Pacific Bldg., San Francisco, $36,380. Noted Nov. 29.

Industrial Works

PROPOSED WORK

Vt., East Dorset—Manchester Marble Co., having plans prepared by Manchester Marble Co., Rutland, 1 story, 170 x 230 ft. mill, steel and timber, plain foundation, Main St., to replace one recently destroyed by fire. $175,000.

Conn., Hartford—Bryant & Chapman, 350 Woodland St., plan 2 story milk plant, brick and steel, plain foundation. Maple Ave. $60,000. Engineer and architect not selected.

Conn., Hartford — Standard Oil Co., Wawarme Ave., plans 1 story garage and service station, Windsor Ave. $50,000. Private plans.

Conn., Putnam—Lowell Needle Co. had plans prepared 2 story, 50 x 100 ft. factory. $45,000. Private plans.

N. Y., Albany—Albany Hardware & Iron Co. plans 7 story, 120 x 200 ft., rein.-con., brick and steel warehouse, concrete pile foundation, Bway. $500,000. Engineer and architect not selected.

N. Y., Binghamton—Globe Grocery Stores, Inc., 68 Jay St., Brooklyn, plans 4 story, 225 x 250 ft. warehouse, Montgomery St., here. Will mature in spring.

N. J., Trenton—Holmes, Inc., 29 Chancery Lane, having plans prepared by F. D. Priory, 11 West State St., 2 story, 56 x 106 ft., battery service station and work shop. $65,000.

Pa., Phila.—Frankford Grocery Co., Penn and Unity Sts., having plans prepared by W. H. Dyer, Land Title Bldg., 4 story, 64 x 89 ft. warehouse and 1 story, 45 x 100 ft. garage, rein.-con. and brick, plain foundation, Penn and Unity Sts. $130,000.

Pa., Scranton—Lackawanna Laundry Co., 308-312 Penn Ave., plans 4 story, 60 x 170 ft. addition to plant. $100,000. Private plans.

Md., Baltimore—General Elevator Co., 400 South Charles St., plans 1 story, 65 x 160 ft., brick and steel factory, plain foundation, Bush, Russell and Ridgely Sts. $50,000. W. S. Austin, 1002 Maryland Trust Bldg., engr.

Md., Baltimore — Reliable Furniture & Mfg. Co., 303 President St., had plans prepared 2 story, 262 x 274 ft. factory, brick, plain foundation, Ridge Rd. and Wittemore Ave. $180,000. Private plans.

W. Va., Dunbar—Carrier Chemical Co. plans new chemical plant. $50,000.

N. C., Burlington—Burlington Mills Inc. plans new mill containing 50,000 sq.ft. floor space. This company formerly Gastonia Mfg. Co. of Gastonia. $100,000. J. S. Love, Gastonia, mgr.

N. C., Gastonia—Manville Jenckes Co., Pawtucket, R. I., purchased High Shoals Cotton Mills, here, and will convert same into gigantic weave mill by addition of new units and equipment. A. Q. Kale, supt.

N. C., Murphy—See "Dams."

La., New Orleans—Checker Cab Co. Inc. plans brick garage, on 60 x 400 ft. site, Poydras St. near South Rampart St. $40,000. J. Bistes, St. Charles Hotel, pres.

Tenn., Bristol—Bristol Ice & Coal Co. plans new plant. $50,000.

Tenn., Nashville — Hooper Grocery Co., 2nd Ave., plans 4 story, brick, concrete and stone warehouse. $75,000.

Ky., Louisville—Highway Iron Products Co., Columbia Bldg., takes bids about Dec. 31, 1 story, 80 x 250 ft., brick factory, 17th and Magnolia Sts. $106,000. Joseph & Joseph, Francis Bldg., archt.

O., Cincinnati—Union Gas & Electric Co., 4th and Plum Sts., plans electrical generating plant, incl. administration and storage buildings, etc., brick and steel, here $15,000,000. Sargent & Lundy, 72 West Adams St., Chicago, engrs.

O., Cleveland—Chicago Pneumatic Tube Co., 1241 East 49th St., plans 3 story and basement, 43 x 126 ft. brick and timber factory addition. $50,000. T. P. Kimman, mgr. Private plans.

O., Cleveland—A. C. Spear, 13931 Kinsman Rd., plans 1 story, brick garage and commercial building, 2612 Prospect Ave. $50,000. Private plans.

O., Cleveland—Forbes Varnish Co. had plans prepared 1 story, 50 x 83 ft., brick and steel factory, 3800 West 143rd St. $40,000. Private plans.

O., Conneaut—New York, Chicago & St. Louis R.R., Columbia Bldg., Cleveland, plans 1 story, brick and steel machine shop and office building, here. $50,000. E. E. Hart, Columbia Bldg., Cleveland, engr.

O., Maple-heights (Worthington P. O.)—Cleveland Roofing Tile Co., East 123rd St. and Erie R.R., plans 1 story, factory, concrete block, Dunham Rd., here. $40,000. Private plans.

O., Toledo—Hickok Producing Co. plans refinery, Bancroft St. $500,000. Will mature in spring. Engineer and architect not announced.

O., West Austintown—Valley Cities Brick Co., Youngstown, plans brick plant, here. N. T. Hurd, 214 Fairgreen Ave., Youngstown, secy. Will mature after Jan. 1.

Ind., Dunkirk—Indiana Glass Co. plans plant. $80,000.

Ind., Terre Haute—Wabash Valley Refining Co. plans first unit of refinery. $45,000.

Ill., Chicago—Acme Garage Co., c/o M. Leviton & Co., archt., 123 West Madison St., having plans prepared 1 story, 120 x 125 ft., garage extension, 921-935 North California Ave. $75,000.

Ill., Elgin—Texas Co., 17 Battery Pl., New York City, having preliminary plans prepared 1 story, 118 x 334 ft. oil storage plant, rein.-con. and brick, Ann St., here. $50,000. Private plans.

Ill., Peoria—Kingan & Co., West Maryland St., Indianapolis, Ind., plans brick packing plant, here. To exceed $40,000.

Wis., Hartland—Hartland Creameries Co., c/o J. P. Haerle, pres., plans 2 story, brick, rein.-con. and steel plant, plain foundation. $50,000. Engineer and architect not selected.

Wis., Madison—**A. J. McCance, 204 Mears St., having plans prepared 1 story and basement, 60 x 100 ft., garage and repair shop, brick, rein.-con. and steel, plain founda-**

Industrial Works (Continued)

tion. Washington St. $40,000. Private plans.

Ia., Council Bluffs—Citizens Gas & Electric Co., 26 Pearl St., plans new gas plant and several miles gas mains. $250,000. A. L. English, mgr.

Ia., Shenandoah—Defeated $175,000 bond issue for electric light and power plant. F. Sanman, clk. Noted June 27.

Ia., Sioux City—Illinois Central R.R. Co., 135 East 11th Pl., Chicago, having plans prepared by W. E. Burke, 518 Nebraska St., brick and concrete shops, round-house and coaling equipment, here. $500,000. F. L. Thompson, ch. engr.

Minn., St. Paul—Willis Motor Co., 50 12th St., having plans prepared by Mather & Fleishbein, 442 Endicott Bldg., 1 story, 100 x 150 ft. garage, brick and concrete, Congress and Robert Sts. $40,000.

Neb., Omaha—Nebraska Power Co., 15th and Farnam Sts., having preliminary plans prepared by F. S. Scott, 216 Kennedy Bldg., 1 story and basement, 114 x 254 ft. rein.-con. and brick warehouse and garage. $150,000.

Mo., Bolivar—Voted $50,000 bonds electric power plant and distribution system. Work involves 2 directed connected oil engines, 400 poles, 35 mi. wire, 100 series street lamps, 10 transformers, etc. Also plans to purchase 2 motor driven centrifugal fire pumps and remote control electrically operated valve. F. W. Graham, 5244A Cote Brilliante Ave., St. Louis, engr.

Mo., St. Louis—Jersey Farm Dairy Co., 1007 Russell Ave., soon takes bids 2 story, 50 x 80 ft., rein.-con. and brick plant, plain foundation, 1009 Russell Ave., $60,000. Larkin Eng. Co., 424 North 3rd St., archts. and engrs. Noted Oct. 25.

Mo., Springfield — Toombs-Fay Sash & Door Co. plans 3 story 90 x 100 ft. factory, 542 West Phelps St.

Tex., Dallas—Texas & Pacific R.R., T & P Bldg., had plans prepared by J. M. Knightlinger, Supt., Union Terminal Bldg., Fort Worth, round house, shops and yard trackage Belt Junction, here. $1,000,000.

Tex., Dallas—Theater Electric Light Co., Queen Theatre Bldg., plans power plant, one 200 hp. or two 100 hp. generator sets, $50,000. L. G. Bissinger, c/o owner, engr.

Tex., Houston—York Eng. & Supply Co., 2201 Texas Ave., plans 4 story, 100 x 150 ft., brick and concrete warehouse, Texas Ave. $80,000.

Tex., Port Arthur—Port Arthur Ice & Refrigerating Co., had plans prepared by Stone & Webster, Milk St., Boston, and York Eng. & Supply Co., Texas Ave., Houston, ice plant, 175 ton daily capacity, Houston St., here. $300,000.

Ont., Orillia—Canada Wood Specialty Co. plans plant, Front and Coldwater Sts. $85,000.

Tex., Dallas—Washington Cotton Oil Co., c/o W. L. Patton, mgr., Maple Ave., plans additions to mill. $50,000. Engineer and architect not announced.

Okla., Ponca City — Burns of Midwest Creamery Co. having plans prepared by Stoddard Eng. Co., 357 Amer. Natl. Bank Bldg., Oklahoma City, 1 story, 50 x 100 ft., brick and steel creamery. $60,000.

N. M., Las Cruces—Elephant Butte Irrigation Dist., La Cruces, and El Paso Water Impvt. Dist., (portion of Rio Grande Project in Texas), plan 18,000 kw. plant at Elephant Butte Dam, with auxiliary dam 20 mi. south of same. Secondary hydro-electric plant will probably be built at dam. Approximately $5,000,000. H. H. Brook, pres. and mgr.

Wash., Bellingham—City Council passed ordinance providing for submission at December election of plan to construct or purchase an electric light and power plant and system. $500,000. C. M. Adams, city engr.

Wash., Seattle—See "Unclassified."

Wash., Wenatchee—Wenatchee Cold Storage Co. plans 5 story, 115 x 350 ft. cold storage plant, brick, Spring and Wenatchee Sts. $400,000.

Ore., Portland—Portland Pulp and Paper Co., R. H. Mills, pres., 815 Bway. Bldg., plans 1 and 2 story, 80 x 300 ft. paper mill, rein.-con. and steel. $1,250,000.

Calif., Alhambra — Jenkins-Wright Co., 2912 Central Ave., Los Angeles, plans 2 story, 50 x 190 ft., also 1 story 175 x 200 ft. factory buildings.

ROAD WORK—OREGON

Following are lowest 3 bids opened by C. H. Purcell, dist. engr., U. S. Bureau Pub. Rds., Post Office Bldg., Portland, for constructing 7.2 mi. Detroit-Niagara Sect. Santiam Natl. Forest Rd., Marion Co., (A) Payne & Padrick Marshfield; (B) Elliott, Scoggins & Paquet; (C) Morrison-Knutsen. The unit bids were as follows:

	A	B	C
17 acres clearing	$150 00	$250 00	$200 00
12 acres grubbing	300 00	300 00	350 00
83,000 cu.yd. rock excavation	1 00	1 20	1 45
60,000 cu.yd. common excavation	35	50	55
500 cu.yd. structural excavation	1 00	1 00	2 00
1,000 sta. yd. overhaul	10	.07	10
7 2 mi. finishing earth road	100 00	100 00	300 00
85 cu.yd. class B concrete	18 00	25 00	32 50
500 cu.yd. cement rubble masonry	10 10	14 00	14 00
500 cu.yd. dry rubble masonry	8 00	10 00	5 00
270 lin.ft. 18 in. corrugated pipe	2 00	2 50	2 75
360 lin.ft. 24 in. corrugated pipe	3 00	3 50	3 50
300 lin.ft. 36 in. corrugated pipe	5 00	6 00	6 50
500 lin.ft. rustic guard rail	1 00	1 00	80
100 M.ft. b.m. trestle bridge material	60 00	60 00	60 00
12 acres grubbing, using government explosives	150 00	150 00	250 00
83,000 cu.yd. rock excavation using government explosives	90	1 10	1 40
770 lin.ft. bridge deck	10 00	7 00	7 00
Extended totals furnishing explosives	$139,320	$168,490	$192,215
Extended totals using government explosives	139,220	158,390	186,865

SEWER—CHICAGO, ILL.

Following are lowest 3 bids opened by Sanitary Dist. of Chicago, Nov. 22, for Calumet Intercepting Sewer, Contr. No. 1, and 95th St. Sewage Pumping Sta., Divs. A, B, C, D, E, F and G, (A) T. J. Forschner Contg. Co., 125th St. and Michigan Ave.; (B) W. E. White Co., 130 North Wells St.; (C) A. Brundage, 110 South Dearborn St. The unit bids were as follows:

	A	B	C
Division A			
320 lin.ft. sewer 11 ft. internal width on piles	$77 00	$80 00	$116 50
320 lin.ft. sewer 11 ft. internal width on crosswalls	86 00	90 00	125 00
375 lin.ft. double barrel sewer 11 ft. internal width	140 00	140 00	170 00
180 lin.ft. double barrel sewer N. of pumping station	195 00	210 00	217 00
580 lin.ft. 15 in. vitrified pipe sewer	2 00	3 00	4 75
Junction chamber near 96th St. (lump sum)	6,500 00	8,500 00	11,000 00
30 lin.ft. standard manholes on concrete sewers	7 00	15 00	8 00
60 lin.ft. standard manholes on vitrified pipe sewers	10 00	15 00	8 00
40 lin.ft. pressure manholes	14 00	20 00	8 00
4 catch basins	55 00	100 00	50 00
600,000 lb. reinforcing steel	0 11	0 05	0 05
5,000 lb. iron castings and miscellaneous metals	0 24	0 15	0 25
1,000 lb. iron pipe	0 15	0 12	0 17
25 cu.yd. brickwork	35 00	50 00	27 50
2,000 lin.ft. piling furnished	0 30	0 30	0 25
2,000 lin.ft. piling driven	1 10	1 00	2 00
5 cu.yd. rock excavation	5 00	5 00	5 00
50 cu.yd. additional earth excavation	2 00	2 00	2 00
10 cu.yd. concrete, class A	24 00	24 00	19 50
50 cu.yd. additional concrete, class B	18 00	18 00	18 00
100 cu.yd. concrete, class C	17 00	12 00	16 50
50 M.ft. B.M. additional sheeting and bracing	40 00	40 00	40 80
Extended totals	$225,000	$196,675	$239,563
Division B			
Excavation P.S. substructure and miscellaneous work (lump sum)	$43,650 00	$22,000 00	$49,000 00
Pumping station connections (lump sum)	45,000 00	41,500 00	48,000 00
Sluice gates (lump sum)	33,500 00	50,000 00	51,000 00
500,000 lb. reinforcing steel	0 11	0 05	0 05
20,000 lb. iron castings and miscellaneous metals	0 24	0 15	0 23
40,000 lb. iron pipe	0 15	0 12	0 17
5 cu.yd. brickwork	35 00	50 00	27 50
5 cu.yd. rock excavation	5 00	5 00	5 00
50 cu.yd. additional earth excavation	2 00	2 00	2 00
3,800 cu.yd. concrete, class A	24 00	18 00	19 50
50 cu.yd. additional concrete, class B	18 00	18 00	18 00
100 cu.yd. concrete, class C	17 00	12 00	17 00
50 M.ft. B.M. additional sheeting and bracing	40 00	40 00	40 00
Extended totals	$284,050	$219,175	$265,863
Div. C Pumping station superstructure (lump sum)	$120,000 00	$195,000 00	$138,000 00
Div. D Pumps (pump plans of sanitary district) (lump sum)	90,000 00	90,000 00	96,000 00
Div. D Alternative (pump plans of bidder) (lump sum)	160,000 00		
Div. E Electrical equipment (lump sum)	65,000 00	80,000 00	74,500 00
Div. F Switchboard, conduit and wiring (lump sum)	65,000 00	82,000 00	79,000 00
Div. G Erection general equipment, furnishing and erection miscellaneous equipment (lump sum)	120,000 00	110,000 00	109,000 00
Extended grand totals with Div. D. based on pumps made from plans of Sanitary Dist.	$969,050	$972,850	$1,001,925
Alternative total with Div. D. based on pumps made from plans furnished by bidder	$1,039,050		

Calif., Fresno—Service Rock Co., Valley Bank Bldg., plans to build and equip sand and gravel plant, here, incl. 2 gasoline or steam locomotives, dragline, locomotive crane, 3 gyratory crushers, rails, electric motors and gravel plant equipment. $200,000. H. W. Jones, mgr.

Calif., Long Beach—Young & Gresham, c/o A. G. Bailey, Jr., archt., Orpheum Bldg., Los Angeles, having plans prepared 1 story and mezzanine, 90 x 150 ft., brick garage, Anaheim Ave.

Calif., Los Angeles—See "Waterworks."

Calif., Los Angeles — D. Degelman, 626 South Gramcy St., having plans prepared by Morgan, Walls & Clements, Van Nuys Bldg., 4 story and basement, 50 x 150 ft., brick warehouse and loft, 7th St. near Bixel St.

Calif., Los Angeles—W. Leck, 4519 Finley St., having plans prepared by J. J. Frauenfelder, Story Bldg., 1 story, 50 x 150 ft., brick garage, Santa Barbara and Vermont Aves.

Calif., Los Angeles—Ward Heater Co., 1243 South Hope St., having plans prepared by B. J. Bloser, Consolidated Realty Bldg., factory buildings, incl. foundry, assembling plant, warehouses, etc., concrete and brick. $175,000 or more.

Calif., Los Angeles—Western Bedding Co., c/o Meier & Bountheau, archts., Title Insurance Bldg., plans 1 and 2 story, 200 x 350 ft., rein.-con. factory.

Calif., Oakland—Bastian Mfg. Co., 2117 Violet St., Los Angeles, plans factory, here. $40,000 or more.

Industrial Works (Continued)

Calif., Pittsburg—B. P. Morgan, c/o Columbia Café, plans laundry. Cost incl. equipment $65,000.

Calif., San Francisco — Central Finance Co., c/o W. F. Gunnison and H. P. Merritt, archts., 57 Post St., having plans prepared 30 to 40 garages, approximately $25,000 each, in various sections of Bay Dist.

Calif., San Francisco—Pacific Gas & Electric Co., 445 Sutter St., having plans prepared 2 story, steel and concrete electric sub-station, Commercial and Montgomery Sts. $500,000. Private plans. Noted Mar. 1.

Calif., San Jacinto—See "Buildings."

Calif., Stockton—Star Towel & Laundry Co., 210 South California Ave., having plans prepared by G. Allen, 41 South Sutter St., 2 story, 90 x 115 ft., rein.-con., Lower Sacramento Rd. $40,000 or more.

Que., Temiskaming — L. N. Huard, 129 Commercial St., Levis, takes bids Dec. 15, mill here on Megiscane River. $1,000,000.

Ont., Toronto — Hydro Electric Power Comn. of Ontario, 190 University Ave., Toronto, plans 100,000 hp. steam driven electric generating auxiliary power plant, rein.-con. $6,000,000. F. A. Gaby, ch. engr.

BIDS DESIRED

Conn., Hartford—Dec. 1, by F. C. Waltz, archt., Trumbull St., 1 story and basement, 100 x 100 ft. garage, brick and steel, plain foundation, Capitol Ave. $40,000. Owners name withheld. Noted Oct. 25.

Conn., Middletown — M. Klingon, Colchester, taking bids and opens same about Dec. 4, 3 story, 60 x 160 ft. warehouse and grain elevator, brick, plain foundation, Berlin St. $40,000. L. H. Goddard, 86 State St., New London, archt. Noted Oct. 11.

Conn., Waterbury—Dec. 18, by Lockwood Greene & Co., archts. and engrs., 101 Park Ave., New York City, 4 story, 50 x 60 ft. plant, rein.-con. and brick, plain foundation, Printers Court, here, for Waterbury American, Inc., $165,000. Noted Nov. 29.

N. Y., Rome—Dec. 8, by Lockwood-Greene & Co., archts. and engrs., 101 Park Ave., New York City, 1 story, rein.-con. and steel factory, and 2 story, brick and steel warehouse, here, for Rome Mfg. Co. $210,000. Noted Nov. 22.

Pa., Carlisle—Dec. 8, by Lockwood-Greene & Co., archts. and engrs., 101 Park Ave., New York City, 3 story, 250 x 600 ft., rein.-con., brick and steel plant, plain foundation, for C. H. Masland & Sons, Carlisle. Furnishing and erecting structural steel (575 tons) to McClintic-Marshall Co., 50 Church St., New York City. Noted Nov. 22.

O., Cleveland—Christian, Schwarzenberg & Gaeda, archts., 1900 Euclid Ave., taking bids 2 story and basement, 93 x 180 ft., brick and rein.-con. garage, 1841 Prospect Ave., for Private Investment Co., c/o S. Miller, 1822 Central Ave. $150,000.

O., Cleveland—McCauley Storage Battery Co., 1060 St. Clair Ave., taking bids and opens same about Dec. 12, 1 story, 35 x 128 ft., brick and steel factory and warehouse, East 24th St. and Chester Ave. $40,000. Private plans. Noted Nov. 1.

Tex., Ft. Worth—Dec. 21, by E. T. Glasgow, archt., 1st Natl. Bank, 3 story and basement, 100 x 100 ft. concrete, brick and stone garage, 1st and Commerce Sts., for F. H. Jones, 200 Commerce St. $65,000. Noted Nov. 29.

Tex., Lamesa—Texas Power & Light Co., Interurban Bldg., Dallas, purchased Lamesa Light & Ice Co. and is taking bids 15 ton ice plant and power plant additions, etc. $50,000.

New Zealand, Wellington—April 30, by Secretary Pub. Wks. Bd., Sect. 2, power house and plant of Arapuni Electric Power Scheme; adv. E. N.-R. Dec. 6.

CONTRACTS AWARDED

Conn., Bristol—New Departure Mfg. Co., 269 North Main St., 1 story, 130 x 600 ft. factory, brick and steel, plain foundation, to Torrington Bldg. Co., 197 Water St., Torrington. Archts. est. $55,000.

Conn., New Britain—Landers, Frary & Clark, Commercial and Center Sts., 6 story, 65 x 160 ft. factory, brick and steel, plain foundation, Ellis St., to Torrington Bldg. Co., 197 Water St., Torrington. Archts. est. $100,000. Noted Nov. 15.

Conn., Rocky Hill—Belamose Corp., 983 Main St., Hartford, 1, 2 and 3 story, 199 x 584 ft. factory, brick and steel, plain foundation, here, to Dennis O'Brien & Sons Co., 118 Asylum St., Hartford. Archts. est. $1,000,000. Noted Nov. 1.

Conn., Stamford—S. A. Gregory, 2 story, 50 x 150 ft. storage shed, brick and steel, plain foundation, Railroad Ave., to Vuno Constr. Co., Bank Bldg. Archts. est. $45,000.

Conn., Waterbury—Waterbury Farrell Fdry. Co., 2 story, 48 x 52 ft. factory, brick and steel, plain foundation, Bank St., to Immick Co., State St., Meriden. Archts. est. $40,000. Noted Nov. 22.

N. Y., Brooklyn—Aaron Constr. Co., c/o A. Goldberg, archt. and engr., 164 Montague St., will build 1 story, 150 x 200 ft., rein.-con., brick and steel garage, plain foundation, Dean St., by day labor. $60,000.

N. Y., New York—A. J. Schwartzler, c/o S. J. Kessler, archt. and engr., 529 Courtlandt Ave., will build 2 rein.-con., brick and steel garages, plain foundations, Morris Ave., by day labor. $85,000 each.

Pa., Phila.—Henry & Gunkel, Broad and Belfield Sts., sales and service station, Broad and Belfield Sts., to Kessler Constr. Co., 1735 North Mervine St., $40,000.

Pa., Rook—Pittsburgh & West Virginia Ry., Wabash Bldg., Pittsburgh, 1 and 2 story, 50 x 100 ft. power plant, near here, to Dresser-Minton Co., 880 Arcade Bldg., Cleveland, O.

Va., Richmond—W. T. Rawleigh Co., 101 South Liberty Ave., Freeport, Ill., 2 story, 75 x 190 ft. rein.-con., brick and steel warehouse and garage, here, to Graham Constr. Co., Hampton. Archt. est. $75,000. Noted Nov. 1.

N. C., Hamlet—Hamlet Ice Co., ice manufacturing and storage plant, 5,000 lb. daily capacity, to J. A. Jones Constr. Co., Realty Bldg., Charlotte. $100,000.

Tenn., Memphis—Electric Ice & Coal Co., c/o E. M. Lowrance and M. Burt, Falls Bldg., rein.-con. and brick plant, 430 North Waldran St., to R. B. Howell, Memphis, $40,000.

Ky., Louisville — E. J. Straus Cabinet Wks., Baxter and Hamilton Aves., will build 4 story, brick and steel factory, Baxter Ave., by day labor, under supervision T. Girder, supt. Est. cost $250,000. Noted Nov. 1.

O., Cleveland—Villa Beach Club, c/o F. W. Bail, archt., Hanna Bldg., 2 story, 62 x 98 ft., brick, steel and concrete garage, 15445 Lake Shore Blvd., to F. F. Jeckel Constr. Co., 15316 Lake Shore Blvd. Archts. est. $50,000. Noted Nov. 29.

O., Youngstown — McKay Machine Co., Rayen Ave. and Foster St., plant addition, to Truscon Steel Co., Albert extension, $50,000.

O., Youngstown—Truscon Steel Co., Albert St., will build 1 story plant addition, 100,000 sq.ft. floor space, by day labor. $400,000. J. Kahn, pres.

Ind., Ft. Wayne—Wayne Tank & Pump Co., 1 story, 80 x 220 ft. factory addition, brick and steel, to Indiana Eng. & Constr. Co., Central Bldg. Archts. est. $50,000. Noted Nov. 29.

Wis., Hilbert—Hilbert Canning Co., c/o W. F. Christel, Valders, will build 2 story, brick and timber cannery, plain foundation, by day labor, here. $40,000. Private plans.

Wis., Hilbert—Valders Canning Co., c/o W. F. Christel, Valders, will build 2 story, 60 x 90 ft., brick and tile factory, plain foundation, here, by day labor. $50,000. Private plans.

Wis., Janesville—Chevrolet Motor Co., c/o C. E. Wilson, engr., will build 2 story, 75 x 90 ft., rein.-con., brick and steel addition, plain foundation, by day labor. $75,000. Private plans.

Wis., Madison—G. Ripp, 20 South Bassett St., 2 story, 40 x 60 ft., mill and woodworking shop, rein.-con., brick and tile, plain foundation, to Arthur Swan, 503 Oakridge Ave. Archts. est. $40,000. Noted Nov. 15.

Wis., Milwaukee—Curtis Auto Co., 148 8th St., 3 story and basement, 100 x 126 ft., brick and concrete garage, plain foundation, Bway., to S. M. Siesel Co., 160 Ogden Ave., $200,000.

Wis., Milwaukee — Bayley Heating Supply Co, 131 Sycamore St., 2 story, 60 x 100 ft., brick and timber warehouse, plain foundation, St. Paul Ave., to Klug & Smith Co., 69 Wisconsin St. Engrs. est. $45,000.

Wis., Neillsville—Neillsville Canning Co. will build 2 story, 40 x 80 ft., concrete and tile addition, plain foundation, by day labor. $40,000. Private plans.

Wis., Osseo—Gunem Bros. & Moswick will build 1 story, 48 x 100 ft., brick and concrete garage, plain foundation, by day labor. $40,000. Private plans.

Minn., Minneapolis—Buzza Co., 16 South 8th St., 3 story, 30 x 330 ft. addition to factory and office, rein.-con., brick and tile, Lake St. and Colfax Ave., general contract to J. Leck Co., 316 South 7th St. Total $170,000. Noted Jan. 11.

Neb., Omaha—Nebraska Power Co., 15th and Farnam Sts., will build 3 story and basement, brick and steel power plant, by day labor. $700,000. J. T. Davidson, genl. mgr.

Mo., St. Louis — Forest Spring Real Estate Co., 3710 Forest Park Blvd., 2 story, 75 x 182 ft., rein.-con. and brick factory, Forest Park Blvd., to C. G. Schorieh, Syndicate Trust Bldg. Archts. est. $40,000. Davis Boring Tool Co., 3710 Forest Park Blvd., lessee.

Mo., St. Louis—Perkinson Realty & Investment Co., 3607 North Bway., will build 1 and 2 story, 122 x 227 ft., rein.-con. and brick plant, Penrose Ave., by day labor. $175,000. H. G. Clymer, Wainwright Bldg., archt. Polar Wave Ice & Fuel Co., 3626 Olive St., lessee.

Tex., Houston—Standard San Mfg. Co., 4 story and basement, concrete warehouse, to A. Telepson, 4100 Clay Ave., $172,500.

Okla., Tulsa—Union Carbide Co., 30 East 42nd St., New York City, 3 story, 70 x 140 ft., brick and steel plant, plain foundation, here, structural steel to Muskogee Iron Wks., Muskogee; brick work to Kusa Brick & Tile Co., Kusa; plumbing to Ideal Plumbing & Heating Co., 910 Daniels Bldg., Tulsa. Est. cost $200,000.

Ore., Albina (Portland P. O.)—Truscon Steel Co., 194 North 13th St., Portland, will build 1 and 2 story, 120 x 132 ft. plant, rein.-con. and steel, here. Work will probably be done by day labor. Archts. est. $80,000.

Calif., Fresno—Benham Ice Cream Co., H St., 1 story, concrete and brick garage and repair shop, H St., to Trewhitt-Shields Co., Rowell Bldg. $40,000.

Calif., Los Angeles—Bronson Shirt Co., c/o L. Rally, archt., Wright-Callender Bldg., 4 story, brick factory, 10th and Wall Sts., to Winter Constr. Co., Railway Bldg., $60,000.

Calif., Los Angeles—Coony & Winterbottom, 1400 South Santa Fe Ave., 1 and 2 story, 95 x 140 ft., brick factory, Hunter St., to V. P. Gilbert, 705 Citizens Natl. Bank Bldg. $40,000 or more.

Calif., Los Angeles—C. F. Crawford, 6629 Hollywood Blvd., Hollywood, 2 story, 50 x 150 ft., brick garage, Ottowa St., to V. P. Gilbert, Citizens Natl. Bank Bldg., Los Angeles.

Calif., Los Angeles — C. A. Doody, c/o Walker & Eisen, archts., Pacific Finance Bldg., 4 story and basement, 150 x 150 ft., rein.-con. garage, 6th and Kenmore Sts., to Home Foundation Co., Merchants Natl. Bank Bldg., $280,000.

Calif., Los Angeles — J. A. Hill, 1 story, 100 x 150 ft., brick garage, Crown Hill Ave., to G. La Barr, California Bldg.

Calif., Los Angeles—Home Service Co., 779 Towne St., 1 story, 45 x 140 ft., brick and steel garage, 8th St., to Austin Co., of California, Bartlett Bldg.

Calif., Los Angeles—Pacific Wire Screen Co., 1840 East 15th St., 1 story, (ultimately 2 story), 75 x 250 ft., frame factory, East 15th St., to G. La Barr, California Bldg.

Calif., Los Angeles—R. Rosenberg, 1 story (ultimately 2 story), 100 x 175 ft. brick warehouse, 16th St., to G. La Barr, California Bldg.

Calif., Los Angeles—Southern Pacific Co., Pacific Electric Bldg., locomotive erecting shop, 90 x 500 ft. 52 ft. high, steel frame and concrete, Alhambra Ave., to Fellows Constr. Co., Central Bldg. $200,000. Noted Nov. 15.

Calif., Los Angeles—Theme Hosiery Co., 4 story, rein.-con. factory, San Fernando Rd., to C. L. Peck, H. W. Hellman Bldg., $128,000. Noted June 21.

Calif., San Francisco—J. Allec, Folsom and 18th Sts., 2 story, rein.-con. addition to cleaning and dyeing plant, Folsom St., to Buschke & Brown, 185 Stevenson St., $45,000. Noted Nov. 29.

Calif., Yosemite Valley—See "Buildings."

Buildings

PROPOSED WORK

Conn., Danbury—High School—School Com. plans 3 story, brick, stone and steel, plain foundation. $800,000. P. M. Sunderland, 181 West St., member.

Conn., Groton—School—First School Dist. plans 2 story, 100 x 150 ft. brick and steel, plain foundation. $150,000. C. Barnum.

Buildings (Continued)

chn. School Dist. Bilderbeck & Langdon, Inc., Harris Bldg., New London, archts. Noted Nov. 22.

Conn., Hartford—Apartment—H. Shor, 752 Asylum Ave., having plans prepared by Berenson & Moses, 1026 Main St., 3 story, 50 x 120 ft., brick, plain foundation, Capitol Ave. $150,000.

Conn., Norwalk — High School — Dept. Educ., City Hall, plans 2 story, $800,000. Engineer and architect not selected.

Conn., Rockville—Bank, etc.—Peoples Saving Bank having plans prepared by W. B. Chambers, 111 East 40th St., New York City, 3 story, 70 x 120 ft., brick and stone, plain foundation, Park St. $155,000. Noted May 10.

N. Y., Albany—Apartment—L. Miller, and B. Kanzer, 308 Ontario St., had plans prepared by H. Rogers, archt. and engr., 443 Bway., 3 story, 350 x 400 ft., brick, plain foundation, Lake Ave. $300,000.

N. Y., Albany—Sales, Show Room and Office—E. V. Stratton Motors Co., Inc., 25 Washington Ave., having plans prepared by H. Rogers, 443 Bway., 5 story, 92 x 105 ft., rein.-con., brick and steel, plain foundation, 103 Washington Ave. $210,000.

N. Y., Amsterdam—High School—Plans election to vote on $665,000 bonds 4 story, 98 x 140 ft., brick and steel, plain foundation, Vrooman Ave. Engineer and architect not selected.

N. Y., Brooklyn—Synagogue—Congregation Shaari Zedick, c/o S. B. Eisendrach, archt. and engr., 18 East 41st St., New York, soon takes bids synagogue, Park Pl. $150,000.

N. Y., Buffalo—Bank and Office—Liberty Bank soon takes bids 24 story, 60 x 350 ft., rein.-con., brick and steel, Main and Court Sts. $2,000,000. A. C. Bossom, 680 5th Ave., New York City, and Plumer & Mann, 700 Main St., Buffalo, archts. Noted June 14.

N. Y., Eastview—Home—Bd. Supervs. Westchester Co., Court House, White Plains, having plans prepared by Walker & Gillette, archts. and engrs., 126 East 37th St., New York City, 4 story, brick, steel and stone, plain foundation, here. $650,000.

N. Y., Mamaroneck—High School—Bd. Educ. having plans prepared by E. Hahan, 290 Fulton St., Hempstead, 2 story, brick, steel and stone, Boston Post Rd. and Palmer Ave. $475,000. E. E. Seelye, 101 Park Ave., New York City, engr.

N. Y., New York—Loft—S. Kaufman, c/o C. B. Meyer, archt. and engr., 31 Union Sq., had plans prepared brick, steel and stone, plain foundation, 470 7th Ave. $500,000.

N. Y., New York—Loft—Mandel Ehrich Corp., 1 Pershing Sq., having plans prepared by J. Sloan, archt. and engr., 100 East 42nd St., 31 story, 185 x 425 ft., brick, steel and stone, plain foundation, Lexington Ave. and 32nd St. $10,000,000.

N. Y., Niagara Falls—Auditorium—City had tentative plans prepared by Niagara Falls Associated Architects, Niagara Falls, 2 story and basement, 212 x 240 ft. $700,000. Will mature in spring.

N. Y., Niagara Falls—Bank and Office—Power City Bank, 207 Falls St., having plans prepared by A. C. Bossom, archt. and engr., 680 5th Ave., brick, steel and stone, plain foundation. $500,000.

N. Y., Webster—School—Bd. Educ. plans school. $350,000. Engineer and architect not selected. Will mature in spring.

N. Y., White Plains—Municipal—City plans municipal building. $500,000. E. E. Weeks, mayor. Engineer and architect not selected.

N. J., Ocean Grove—School—Neptune Twp. School Bd. plans new school. $237,000. Engineer and architect not selected.

Pa., Clearfield—High School—Bd. Educ. having plans prepared by Howard & Hatcher, Dubois, 2 story and basement, 60 x 120 ft. brick, steel and tile. $150,000.

Pa., Corry — Hotel — Community Hotel Corp. having plans prepared by E. Bailey, Oil City, 85 x 89 ft., Babbitt St. $150,000.

Pa., Fox Chase (Phila. P. O.)—School—St. Cecelia Roman Catholic Church, Rhawn and E Sts., soon takes bids 2 story and basement, 54 x 114 ft. brick and steel, plain foundation. Hoffman-Henon Co., Finance Bldg., Phila., archts.

Pa., Johnstown—High School—Bd. Educ. having revised plans prepared by J. E. Adams, Nemo Bldg., 2 story and basement, 80 x 400 ft. Somerset St. $900,000.

Pa., Phila.—Apartment—Hoffman-Henon Co., archts., Finance Bldg., preparing plans and takes bids about Jan. 1, three 4 story and basement, 46 x 104 ft. brick and steel, plain foundation, City Line. $300,000. Owner's name withheld.

Pa., Phila.—Hotel and Office—Middle City Realty Corp., 1324 Walnut St., takes bids in about 60 days for 40 story, 86 x 116 ft. rein.-con., brick and steel, plain foundation, Broad and Locust Sts. $10,000,000. H. E. Kennedy, 1324 Walnut St., archt.

Pa., Scranton — School — Holy Rosary Church plans new parochial school, William St. $250,000. Engineer and architect not selected.

Md., Baltimore—Synagogue and House—Beth Tfilloh Synagogue, c/o H. T. Kellman, Equitable Bldg., having plans prepared by Stanislaus Russell, 11 East Lexington St., house, 55 x 85 ft., 2 story, 72 x 73 ft. synagogue, and stone, plain foundation, Garrison and Dalrymple Aves. $250,000.

Md., Curtis Bay (Baltimore P. O.)—School—City of Baltimore, Pub. Impvt. Comn., plans 3 story, 65 x 75 ft. addition, concrete and brick, plain foundation, here. $150,000. M. G. Perring, Hearst Tower, ch. engr.

Md., Overlea—School—City of Baltimore, Pub. Impvt. Comn., plans 2 story, concrete and brick, plain foundation, here. $200,000. M. G. Perring, Hearst Tower, ch. engr.

D. C., Wash.—Apartment—B. S. Simmons, archt., 1013 15th St., N. W., takes bids about Dec. 15, 8 story, 32 x 100 ft. apartment, $350,000. Owner's name withheld.

W. Va., Charleston—Market—See "Streets and Roads."

W. Va., Morgantown—Bd. Educ. plans to issue $500,000 bonds for schools.

W. Va., Williamson—Hotel—Williamson Community Hotel Corp., plans hotel. $425,000. Meanor & Handloser, Huntington, archts.

N. C., Chapel Hill—Chemistry—University of North Carolina plans chemistry building. $400,000. Atwood & Nash, Chapel Hill, archts.

N. C., Elon College—Science—Elon College plans 3 story and basement, 64 x 120 ft., on Campus. $175,000. W. A. Harper, pres.

N. C., Hendersonville—High School—School trustees plan high school. $300,000.

N. C., Hickory—Hotel—J. A. Mortez, chn. hotel com., which plans hotel, cost $200,000 or more.

N. C., Raleigh—High School—City having plans prepared high school, 1,200 capacity. $300,000. E. G. Sayre, Raleigh, archt. Noted Oct. 4.

N. C., Raleigh—Orphanage—Bd. Trustees Methodist Orphanage plans administration and other buildings, cost between $300,000 and $350,000. R. N. Page, Biscoe, chn. executive com.

S. C., Charleston—Bank and Office—Kanawha Valley Bank, having preliminary plans prepared by A. C. Bossom, archt. and engr., 680 5th Ave., New York, brick and steel and stone, plain foundation. $1,000,000.

Ga., Decatur—College, etc.—Agnes Scott College had plans prepared by R. G. Cram, Boston, Mass., 12 new units incl. administration, gymnasium, dormitories, science halls, etc. $2,000,000.

Ala., Auburn — Engineering — Alabama Polytechnic Institute having plans prepared by Warren, Knight & Davis, Empire Bldg., Birmingham, and takes bids about Feb. 1, 3 story, 190 x 200 ft., brick and stone, $300,000.

Ala., Birmingham—Church—North Birmingham Baptist Church plans 1 story and balcony, 75 x 190 ft., brick and stone, 15th Ave. and 26th St. $160,000.

Ala., Ensley — Kiwanis Club conducting campaign to raise $150,000 for 3 story, 100 x 190 ft. Y. M. C. A. building.

Ala., Sheffield—Hotel—New company organized, c/o E. J. Henniger, Sheffield, plans hotel. $150,000.

Tenn., Memphis— Commercial — Plough Chemical Co., c/o A. Plough, pres., South 2nd St. and Gayoso Ave., plans commercial building, 125,000 sq.ft. floor space. $600,000.

Tenn., Memphis—Hotel—Calhoun Hotel Co., W. L. Casey, pres., c/o Wiona Hotel, 110 East Calhoun St., had plans prepared by F. G. Stewart, 1030 Superior St., Dayton, O., 8 story, 63 x 150 ft., fireproof, South Main St. $600,000.

Tenn., Nashville—Bank—Fourth & First Bank & Trust Co., 326 Union St., plans bank, 4th Ave. and Union St. Cost to exceed $150,000.

Tenn., Nashville—Business—J. A. Hawkinson, 3830 South Morgan St., Chicago, plans business building, 8th Ave. near Church St., here. To exceed $150,000. Architect not selected.

Tenn., Nashville — Office — Independent Life Insurance Co., Independent Bldg., plans 2 story, steel, concrete and stone addition, 4th and Church Sts. $150,000.

Ky., Louisville—Church—Hope English Lutheran Church, 26th and Bank Sts., having plans prepared by E. T. Hutchings, Columbia Bldg., brick and cut stone. $150,000.

Ky., Louisville — Medical Arts—F. G. Breslin, 32nd and Market Sts., plans 12 story, 100 x 100 ft., brick and steel, 3rd and Bway. $500,000.

O., Alliance—Bank and Office—City Savings Bank & Trust Co. having plans prepared by Simons, Brittain & English, Inc., 336 4th Ave., Pittsburgh, Pa., 8 story, 110 x 200 ft., Main St. $500,000.

O., Cincinnati—Administration—See "Industrial Works."

O., Cleveland — Apartment — L. Cahn, 10615 Grantwood Ave., plans 3 story and basement, brick, on lot 100 x 250 ft., West 110th St. and Lake Ave. $300,000. A. F. Janowitz, 811 Prospect Ave., archt.

O., Cleveland—Apartment—F. J. Langer, 1270 Euclid Ave., had plans prepared by L. R. Walker & J. L. Mauer, 1900 Euclid Ave., 3 story and basement, 48 x 56 x 102 ft., brick, East 116th St. and Cromwell Ave. $150,000.

O., Cleveland—Apartment—R. E. Nixon, 2036 East 105th St., having plans prepared by A. A. Drescher, 2036 East 105th St., 3 story and basement, 85 x 120 ft., brick, East 40th St. and St. Clair Ave. $175,000.

O., Cleveland—Apartment — Euclid-Spangler Realty Co., c/o N. M. Berkowitz, 10936 Grantwood Ave., had plans prepared by M. Weis, 617 Union Bldg., 3 story and basement, 40 x 120 ft., brick, 1932 East 73rd St. $150,000.

O., Cleveland—Office and Commercial—L. Abrams, Engineers Bldg., plans brick, steel and concrete, East 9th St. and Superior Ave. To exceed $150,000. Engineer and architect not selected.

O., Cleveland—Store and Apartment—L. Duchon, 3045 Essex Rd., Cleveland Heights, had plans prepared by A. F. Janowitz, 811 Prospect Ave., 3 story and basement, 100 x 125 ft., brick, East 40th St., near Perkins Ave., here. $250,000.

O., East Cleveland (Cleveland P. O.)—High School—Bd. Educ. having plans prepared by Cavanaugh & Baer, 2729 Prospect Ave., Cleveland, 3 story and basement, 175 x 450 ft., brick, steel and concrete, Grasmere Ave. $750,000. C. Tilden, Euclid and Prospect Aves., dir. Noted Feb. 8.

O., Newark—School—Francis De Sales School had plans prepared by C. E. Handshy, Zanesville, 3 story and basement, brick and rein.-con. $175,000. A. O'Boylan, pres.

O., New Philadelphia—Office and Theatre—New Philadelphia Amusement Co. having plans prepared by C. J. Marr, New Philadelphia, brick, steel and stone. $250,000. A. V. Abel, pres.

O., Youngstown — Club — St. Brendons Parish, West Side, having plans prepared by R. Zenk, Federal St., and takes bids in about 1 week, 100 x 300 ft. club. $200,000. Noted Oct. 4.

Ind., Evansville—Y. W. C. A. plans new building 3rd and Vine Sts. $300,000. H. Geary, 342 Madison Ave., New York, archt. Noted Sept. 6.

Ind., Indianapolis—Recreation—J. Chartrand, 1347 North Meridian St., having plans prepared by Kopf & Woolling, Pythian Bldg., 2 story and basement, 97 x 180 ft., rein.-con. and brick, North Meridian St. $150,000.

Mich., Detroit—Office—M. J. Gallagher, 230 Washington Blvd., having plans prepared by Donaldson & Meier, 1314 Penobscot Bldg., 8 story and basement, 50 x 120 ft. rein.-con., brick and steel, plain foundation, Washington Blvd. $300,000.

Ill., Harrisburg—Theatre and Office—Local syndicate, c/o Levine & Rupert, archts., 822 West 70th St., Chicago, having plans prepared 2 story, 100 x 165 ft., rein.-con., brick and steel. $275,000.

Wis., Appleton—Church—Trinity English Lutheran Congregation, c/o F. Schreckenberg, pastor, 570 College Ave., having plans prepared by H. C. Haeuser, 445 Milwaukee St., Milwaukee, 2 story, brick and stone, plain foundation, Allen St. $150,000.

Wis., Kimberly—School—School Dist. 7, c/o M. A. Kettenhafen, clk., having plans prepared by Oppenhamer & Obel, Wausau,

Buildings (Continued)

3 story, 60 x 180 ft., brick, rein.-con. and steel, plain foundation. $150,000.

Wis., Marinette—School—St. Josephs Congregation, c/o S. Vaissiere, pastor, 1230 Elizabeth Ave., having plans prepared by W. E. Reynolds, Roosevelt St., Green Bay, 2 story and basement, 65 x 120 ft., brick, tile and concrete, plain foundation, here. $150,000.

Wis., Mayville—High School—School Bd., c/o O. D. Naber, chn. building com., soon takes bids 2 story and basement, brick, tile and concrete, plain foundation. $200,000. Parkinson & Dockendorff, Linker Bldg., La Crosse, archts.

Wis., Oshkosh—School—School Bd. having plans prepared by Auler & Jensen, F. R. A. Bldg., 2 story and basement, brick and concrete, plain foundation. $200,000.

Wis., Oshkosh—Temple—Masonic Lodges combined, c/o F. A. Fuller, chn. building com., 50 West Polk St., having plans prepared by Auler & Jensen, F. R. A. Bldg., 2 story and basement, brick and concrete, plain foundation. $250,000.

Wis., Racine — Hotel-Store — Friedman Hotel Corp., 511 Main St., having plans revised by E. B. Funston Co., Janes Blk., 6 story and basement, 82 x 100 ft., brick and concrete, plain foundation, Main St. $650,000.

Minn., Minneapolis — Hospital — Northwestern Hospital, Chicago Ave. and 27th St., c/o W. L. Wolford, Hotel Leamington, Minneapolis, having plans prepared by W. K. Macomber, 508 Lincoln Bank Bldg., 6 story and basement addition to hospital, rein.-con., brick and tile, Chicago Ave. and 27th St. $500,000.

Minn., St. Paul—Schools—City Council authorized $1,000,000 bond issue for school buildings in 1924. L. R. S. Ferguson, comr. Dept. Educ.

Kan., Kansas City—Methodist Episcopal Church having plans prepared by C. E. Keyser, 317 Portsmouth Bldg., 1 story and basement, 96 x 123 ft., rein.-con. and brick. $150,000.

Mo., Kansas City—Schools—Bd. Educ. having plans prepared by C. A. Smith, 800 Finance Bldg., 3 story and basement, 150 x 365 ft., rein.-con., brick and steel, junior high school, $900,000, also 2 story and basement, 60 x 140 ft., rein.-con., brick and steel school addition, $180,000.

Mo., St. Joseph—Church—Zion Evangelical Congregation having plans prepared by Eckel & Aldrich, 1105 Crosby-Force Bldg., for church. $150,000.

Mo., St. Louis — Apartment Hotel — S. Kopler, 5759 Waterman Ave., plans 15 story and basement, 150 x 254 ft., rein.-con. and steel, pile foundation, Union St. $2,000,000. Private plans.

Tex., Cameron—School—Dec. 27, to vote on $150,000 bonds for school. Address Mayor.

Tex., Dallas—Bank and Office—Republic Natl. Bank, Republic Natl. Bank Bldg., had plans prepared by C. D. Hill & Co., Sumpter Bldg., and takes bids early in January, 20 story, basement, and subbasement, 96 x 100 ft., 50 ft. tower, steel brick and stone, Main and Exchange Sts. $1,500,000.

Tex., Dallas — Church — Munger Place Methodist Church, plans church, Bryan St. and Munger Pl.

Tex., Dallas—College—Southern Methodist University takes bids Dec. 16 3 story, stone and concrete, to be known as Kirby Hall. $150,000. Dewitt & Lemmon, S. W. Life Bldg., archts.

Tex., Houston—Club—Knights of Columbus, 820 Crawford St., having plans prepared by M. Sullivan, Carter Bldg., 3 story, brick and concrete. $250,000.

Tex., Houston — Sunday School — First Methodist Church plans 3 story, brick, concrete and stone, Main St. $150,000.

Tex., Jacksonville — High School — City voted $150,000 bonds 3 story, rein.-con., brick and stone, plain foundation.

Tex., Marshall—Schools—Bd. Educ. having plans prepared by W. G. Clarkson, First Natl. Bank Bldg. Ft. Worth, high school and negro school, brick and concrete, $200,000 and $100,000 respectively.

Tex., San Antonio—Apartment—Strauss & Co. will finance construction of apartment, rein.-con., tapestry, brick and stone, Pecan and Navarro Sts. $600,000. Owners name withheld.

Tex., San Antonio—Office—San Antonio Natl. Bank and San Antonio Loan & Trust Co., plan 6 story, rein.-con., brick, stone and marble. $400,000.

Tex., San Antonio—Theatre—W. J. Lytle, c/o Empire Theatre, making tentative plans theatre, Houston and Travis Sts. $1,000,000.

Tex., San Antonio—Adams & Adams, archts., Gibbs Bldg., takes bids about Jan. 1, 5 story, steel, rein.-con. and tile building, for San Antonio Y. M. C. A. $275,000. W. E. Simpson, Natl. Bank of Commerce Bldg., engrs. Noted Oct. 25.

Wash., Bellingham — Terminal — Puget Sound Power & Light Co. plans 3 story and basement, 125 x 150 ft., terminal building, loading platforms, etc., Elk and Magnolia Sts. $200,000. Private plans.

Wash., Seattle — Apartment — S. Berg, 3402 Woodland Park Ave., having plans prepared by Stuart & Wheatley, Walker Bldg., and takes bids about Dec. 26, 6 story, 108 x 160 ft., steel and concrete, Summit Ave. and John St. $350,000.

Wash., Seattle—Auditorium—Chamber of Commerce having tentative plans prepared by J. Graham, Dexter Horton Bldg., 230 x 360 ft. $2,000,000. Noted Nov. 1.

Wash., Tacoma—High Schools—Bd. Dirs. School Dist. 10 having plans prepared by R. E. Borhek, Puget Sound Bank Bldg., and takes bids about Mar. 1, North Intermediate High School, 2 story, North 28th and Proctor Sts., $280,000, East Intermediate High School, 2 story, McKinley Hill, $280,000; about Feb. 1 for South Central Intermediate High School, 2 story, South 50th St. and Pacific Ave., $340,000; all foregoing concrete and brick veneer, plain foundations. Noted Nov. 1.

Calif., Anaheim—Church—First Presbyterian Church having preliminary plans prepared by H. M. Patterson, O. T. Johnson Bldg., Los Angeles, brick church and Sunday school buildings. $150,000.

Calif., Berkeley—Schools—City to vote on $150,000 or more bonds for schools.

Calif., Berkeley — Store and Hotel — R. Roth, c/o A. G. Headman, archt., Call Bldg., San Francisco, having plans prepared 5 story and basement, concrete, Shattuck Ave. $150,000.

Calif., Elsinore — Club — Southern California Country and Athletic Club, Consolidated Realty Bldg., Los Angeles, having plans prepared by Engineering Service Corp., Washington Bldg., Los Angeles, rein.-con. and hollow tile club buildings. $150,000.

Calif., Lankershim—Hotel—Citizens Com. headed by J. Wilson, pres. Chamber of Commerce, plans 3 story, fireproof. $350,000.

Calif., Long Beach—Apartment—D. B. Carlin, 107 East Ocean Ave., had plans prepared by W. H. Austin, First Natl. Bank Bldg., fireproof, probably rein.-con., 1st St. Will exceed $500,000.

Calif., Long Beach—High School—City to vote on $300,000 bond issue for junior high school.

Calif., Long Beach—Hotel—L. C. Simmel, Markwell Bldg., representing interests which plan 8 story, rein.-con., 1st Pl. and Ocean Blvd. $150,000.

Calif., Los Angeles — Apartment — E. Zaiser, c/o Walker & Eisen, archts., Pacific Finance Bldg., having plans prepared 12 story, rein.-con., Vine and Zucca Sts. $950,000.

Calif., Los Angeles — Club, Office and Store—Jonathan Club, Pacific Electric Bldg., having preliminary plans prepared by Schultze & Weaver, Pacific Mutual Bldg., 165 x 195 ft., Class A fireproof construction, 6th and Figueroa Sts. $150,000 or more. Noted Oct. 11.

Calif., Los Angeles—Exchange—Southern California Telephone Co., 740 South Olive St., plans 9 story, approximately 125 x 325 ft., rein. con. and steel, Olive St. E. V. Cobby, 333 Grant Ave., San Francisco, ch. engr.

Calif., Los Angeles—Hotel—L. Chatt, c/o L. L. Jones, archt., Grosse Bldg., had plans prepared 5 story and basement, rein.-con. and brick, Columbia Ave. and Acacia St. $175,000.

Calif., Los Angeles—Loft—S. Goodman, c/o Walker & Eisen, archts., Pacific Finance Bldg., having plans prepared 12 story and basement, 50 x 90 ft., rein.-con., 7th and Los Angeles Sts.

Calif., Los Angeles—Store—"Bullocks," 659 South Bway., having plans prepared by Parkinson & Parkinson, Title Insurance Bldg., 30 x 150 ft., approximately 12 story, brick, concrete and steel, Hill St. near 7th St.

Calif., Los Angeles—Store and Loft—Meyer Siegel Co., 617 South Bway., having preliminary plans prepared by Curlett & Beelman, Union Bank Bldg., 150 x 187 ft., approximately 12 story, fireproof, Flower St. near 8th St.

Calif., Los Angeles—Store and Office—P. S. Wright Co., 3981 West 6th St., representing interests which plan 12 story, fireproof.

Calif., Los Angeles—Studio, Store and Office—Platt Music Co., 622 South Bway., having plans prepared by Schultze & Weaver, Pacific Mutual Bldg., 12 story, 60 x 145 ft. fireproof, Hollywood Blvd.

Calif., Oakland—Church—First Congregational Church having plans prepared by J. G. Howard, First Natl. Bank Bldg., San Francisco, Class A construction, Harrison and 26th Sts. $500,000.

Calif., San Francisco—Apartment—McKillop Bros., 235 Montgomery St., plan fireproof construction, Southwest Octavia and Clay Sts. $150,000. Architect not selected.

Calif., San Francisco — Apartment — W. Props, 965 Hyde St., having plans prepared by E. H. Denke, 1317 Hyde St., 5 story and basement, rein.-con., Franklin and Sacramento Sts. $150,000.

Calif., San Francisco—Bank—Hibernia Savings & Loan Society, McAllister and Jones Sts., having preliminary plans prepared by Bakewell & Brown, 251 Kearny St., rein. con. 22nd and Valencia Sts. $150,000, C. H. Snyder, 251 Kearny St., engr.

Calif., San Francisco—Exchange—Pacific Telephone & Telegraph Co., 333 Grant Ave., plans Class A construction exchange, Geary and 9th Aves. $150,000.

Calif., San Francisco—Exchange—Pacific Telephone & Telegraph Co., 333 Grant Ave., had plans prepared by Bliss & Faville, Balboa Bldg., 3 story and basement, Class A construction, Bush and Larkin Sts. $300,000.

Calif., San Francisco—Schools—City and San Francisco Co. having plans prepared by G. A. Lansburgh, 140 Montgomery St., 24 room school, Diamond St. between Jersey and 124th Sts., $225,000 to $300,000; by J. Reid, Jr., First Natl. Bank Bldg., for 24 room school, block bounded by Haight, Waller, Masonic and Central Aves., $250,000 to $300,000; by Bakewell & Brown, 251 Kearny St., for 24 room school, block bounded by 17th, Ford, Sanchez and Noe Sts., $200,000 to $300,000.

Calif., San Jacinto—Hotel, etc.—Soboda Hot Springs, c/o J. J. Frauenfelder, archt., Story Bldg., Los Angeles, having plans prepared resort buildings, incl. hotel, cottages, laundry and power plant, rein.-con. and brick.

Calif., Santa Barbara—Church—Church of Our Lady of Sorrows having plans prepared by J. J. Donnellan, Bryson Bldg., fireproof, probably rein.-con. $200,000 or more.

Calif., Santa Barbara—Lodge Hall—Masonic Hall Assn., c/o C. Werner, archt., Santa Fe Bldg., San Francisco, had plans prepared 3 story and basement, rein.-con. $250,000.

Calif., Venice—Auditorium—City plans auditorium, Florence Ave. $200,000 to $225,000.

Calif., Venice—Schools—City voted $250,000 bond issue for new schools and additions to present buildings.

Ont., Ft. William — Hotel — Canadian Pacific Ry., Windsor Sta., Montreal, Que., plans rein-con., brick and steel, plain foundation. $1,000,000. J. M. R. Fairbairn, ch. engr.

Ont., London—College—Ursuline Sisters, Chatham, having plans prepared by Pennington & Boyde, Bartlett Bldg., Windsor, stone college in northern section of London. $250,000.

Mexico, Emplane—Office—Pacific R.R., Mexico City, plans rein.-con., brick and stone office, here. $250,000. H. B. Titcomb, Mexico City, pres.

BIDS DESIRED

N. Y., Brooklyn—Clubhouse—Dec. 27, by Knights of Columbus, 56 South Portland Ave., 9 story, brick, steel and stone, plain foundation, Prospect Pl. $300,000. R. Thomas Short, 370 Macon St., archt. and engr.

N. Y., Buffalo—Office, etc.—Dec. 18, by E. F. Jaeckle, clk. Bd. Supervs. Erie Co., 29 City and County Hall, 3 story and basement, fireproof, office building and warehouse, West Eagle St. and Terrace. North, Shelgren & Swift, 511 Crosby Bldg., archts. Noted June 28.

N. Y., New York—Apartment—T. R. Rhoades & Co., 342 Madison Ave., will build brick, steel and stone, plain foundation, 51 East 72nd St. $750,000. Work will be done by separate contracts. A. J. Bodker, 62 West 45th St., archt. and engr.

Buildings (Continued)

N. Y., New York—School—Dec. 10, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 36, Black Rock and Castle Hill Aves., Bronx Boro, for Bd. Educ., 500 Park Ave.

N. J., Newark—School—Dec. 20, by Bd. Educ., brick, steel and stone addition to Wilson Ave. School. $250,000. Guilbert & Bettelle, 2 Lombardy St., archts. and engrs.

Pa., Cynwyd—Exchange—Dec. 10, by J. T. Windrim, archt., Commonwealth Bldg., Phila., 2 story and basement, 84 x 86 ft., rein.-con., brick and steel, plain foundation, Levering Mills Rd., here, for Bell Telephone Co., 17th and Parkway Sts., Phila., $150,000.

Md., Baltimore—Church—Dec. 8, by F. J. Heldrich, archt., 1156 Longwood St., 1 and 2 story, 71 x 175 ft., stone, plain foundation, Reistertown Rd. and Elgin Ave., for St. Johns Concordia Evangelical Lutheran Church. $175,000.

D. C., Wash.—School—Dec. 21, by Dist. Comrs., 509 Dist. Bldg., constructing school; adv. E. N.-R. Dec. 6.

N. C., Durham—High School—Dec. 15, by School Bd., constructing high school containing 24 rooms and auditorium, concrete, tile, etc. $200,000. Heister & Co., Durham, archts.

N. C., Elizabeth City—College—Dec. 12, by Building Com. of State Normal and Industrial School, W. O. Saunders, chn., residence for principal, boys dormitory, industrial, home economics and laundry buildings also 3 faculty residences. J. A. Slater, 102 West Hargett St., Raleigh, archt.

N. C., Wilmington—Court House—Dec. 21, by Comrs. New Hanover Co., 4 story, 64 x 118 ft., steel and rein.-con. annex, Princess St. $154,000. L. N. Boney, Murchison Bldg., archt. Noted Nov. 22.

La., New Orleans—Home—Dec. 27, by J. P. Sullivan, chn. Building Com. Elks Home, 3 and 5 story, 62 x 122 ft. tile and stucco building to replace portion of structure destroyed by fire, 121 Elk Pl. $175,000. R. DeBuys, archt., and E. E. Christy, associated archt., 1406 Hibernia Bank Bldg.

O., East Cleveland (Cleveland P. O.)—Apartment—L. A. Katz, 607 Republic Bldg., Cleveland, taking bids and opens same about Dec. 15, 3 story and basement, 88 x 168 ft., brick, 15445 Euclid Ave., here. $200,000. A. F. Janowitz, Prospect Ave., Cleveland, archt.

O., Lakewood (Cleveland P. O.)—Apartment—W. Blusinsky, 508 Ulmer Bldg., Cleveland, taking bids 3 story and basement, 94 x 115 ft., brick, 2021 Atkins Ave., here. $160,000. M. Weis, 617 Union Bldg., Cleveland, archt. Noted Nov. 29.

Ind., Crown Point—Hospital—Dec. 17, by Comrs. Lake Co., 2 story, 34 x 525 ft. and 2 story, 50 x 100 ft. hospitals, 1 story power plant, 2 story childrens building, 2 story negro patients building and 1 ten car garage, rein.-con. and brick, outside city. $350,000. K. D. Norris, Calumet Bldg., East Chicago, archt. Noted Nov. 29.

Ind., Decatur—High School—St. Marys Roman Catholic Church taking bids 2 story and basement, 127 x 175 ft., brick and stone. $200,000. H. Gaul, 111 West Washington St., Chicago, archt. Noted Nov. 29.

Mich., Detroit—Clubhouse—Dec. 10, by Donaldson & Meier, archts., 1314 Penobscot Bldg., 6 story and basement, 95 x 144 ft., rein.-con., brick and steel, plain foundation, Elizabeth and St. Antoine Sts., for Y. M. C. A., c/o archts. $450,000.

Mich., Detroit—Office—Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., taking bids and opens same about Dec. 20, 26 story and basement, 120 x 187 ft. rein.-con., brick and steel, Griswold and Congress Sts., for Buhl Land Co., Buhl Blk.

Mich., Detroit—School—Dec. 10, by A. Kahn, archt., 1000 Marquette Bldg., 2 story and basement, 48 ft. high, 54 x 204 ft. rein.-con., brick and steel, plain foundation, Charlevoix and Burns Aves., for Liggett School, Charlevoix Ave.

Ill., Chicago—Apartment—R. F. France, archt., 155 North Clark St., receiving bids 3 story and basement, 100 x 125 ft., Cornelia and Janssen Sts., for A. Henry, c/o archt. $150,000.

Ill., Chicago—Apartment—R. W. Matteson, 541 Diversey Parkway, receiving bids six 3 story apartment buildings, Spaulding Ave. near Wrightwood Ave. $1,000,000. P. F. Olsen, 720 Cass St., archt.

Wis., Milwaukee—Apartment—Peacock & Frank, archts., 445 Milwaukee St., taking bids 3 story, 86 x 100 ft., brick and tile, plain foundation, Lake Dr. $150,000. Owner's name withheld.

WATER MAIN—CLEVELAND, O.

Following are lowest 3 bids opened by Dept. Pub. Utilities, Div. of Water, Nov. 16, for furnishing and laying Woodhill Rd. Main, Contr. No. 32-N, Baldwin-Fairmount Project, (A) Winterbottom-Connelly Co., 2997 Meadowbrook Blvd., Cleveland Heights; (B) D. Lowensohn, 10803 Fairchild Ave.; (C) Joseph Co., 518 Anisfield Bldg. The unit bids were as follows:

	A	B	C
7,500 cu.yd. excavation and backfilling	$5.00	$5.25	$6.95
20 M.ft. B.M. lumber and wooden sheeting, left in place	40.00	50.00	50.00
930 ton furnishing and laying cast iron, straight, bell and spigot pipe	78.00	83.00	84.50
30 ton furnishing and laying cast iron, bell and spigot standard fittings	190.00	220.00	190.00
Setting four 24-in. valves, furnished by the city	100.00	125.00	100.00
Setting two 12-in. valves, furnished by the city	50.00	40.00	30.00
Setting one 10-in. valve, furnished by the city	50.00	25.00	20.00
60 cu.yd. brick masonry	40.00	35.00	28.00
30 cu.yd. concrete masonry	40.00	35.00	28.00
500 lb. steel reinforcement and miscellaneous wrought iron and cast iron	.10	.10	.18
100 lin.ft. furnishing and laying 15-in. d.s. vitrified pipe drains	5.00	4.00	3.00
200 lin.ft. furnishing and laying 12-in. vitrified pipe drains	5.00	3.00	2.75
100 lin.ft. furnishing and laying 10-in. vitrified pipe drains	3.50	2.25	2.50
100 lin.ft. furnishing and laying 8-in. vitrified pipe drains	3.00	2.00	2.20
800 lin.ft. furnishing and laying 6-in. vitrified pipe drains	2.00	1.75	2.00
200 lin.ft. furnishing and laying 4-in. vitrified pipe drains	1.00	1.50	1.20
2,000 sq.ft. furnishing and laying stone flagging	.35	.35	.27
500 sq.ft. furnishing and laying concrete sidewalks	.40	.35	.27
4 sets furnishing and setting 2-in. brass drains; and setting 2-in. valves and valve boxes, furnished by the city	50.00	50.00	40.00
200 lin.ft. furnishing and laying 2-in. galvanized iron pipe	2.00	1.60	1.25
10 ton furnishing and delivering surplus cast iron pipe and fittings	50.00	50.00	50.00
Extended totals	$126,690	$132,990	$145,245

Following are lowest 3 bids opened by Dept. Pub. Utilities, Div. of Water, Nov. 16, for furnishing and laying Woodhil Rd. Main, Contr. No. 32-S, Baldwin-Fairmount Project, (A) Winterbottom-Connelly Co., 2997 Meadowbrook Blvd., Cleveland Heights; (B) J. Connelly Constr. Co., 400 Seventy-First Euclid Bldg.; (C) Salem & George Constr. Co., 418 Erie Bldg. The unit bids were as follows:

	A	B	C
8,000 cu.yd. excavation and backfilling	$4.00	$5.00	$5.25
20 M.ft.B.M. lumber and wooden sheeting, left in place	40.00	40.00	45.00
850 ton furnishing and laying cast iron, straight, bell and spigot pipe	78.00	81.00	85.00
30 ton furnishing and laying cast iron, bell and spigot standard fittings	190.00	180.00	200.00
5 ton furnishing and laying cast iron, bell and spigot special fittings	225.00	200.00	200.00
Setting five 24-in. valves, furnished by the city	100.00	75.00	35.00
Setting four 20-in. valves, furnished by the city	90.00	75.00	35.00
Setting two 12-in. valves, furnished by the city	50.00	25.00	20.00
Setting one 10-in. valve, furnished by the city	50.00	25.00	10.00
60 cu.yd. brick masonry	30.00	30.00	45.00
30 cu.yd. concrete masonry	25.00	30.00	15.00
500 lb. steel reinforcement and miscellaneous wrought iron and cast iron	.10	.10	.20
100 lin.ft. furnishing and laying 15-in. d.s. vitrified pipe drains	5.00	2.50	3.50
200 lin.ft. furnishing and laying 12-in. vitrified pipe drains	5.00	2.00	3.00
100 lin.ft. furnishing and laying 10-in. vitrified pipe drains	4.00	1.50	2.50
100 lin.ft. furnishing and laying 8-in. vitrified pipe drains	4.00	1.50	2.00
600 lin.ft. furnishing and laying 6-in. vitrified pipe drains	2.00	1.50	1.00
200 lin.ft. furnishing and laying 4-in. vitrified pipe drains	1.00	.80	.50
4,200 sq.ft. furnishing and laying stone flagging	.30	.30	.25
3,500 sq.ft. furnishing and laying concrete sidewalks	.40	.30	.22
11 sets furnishing and setting eleven 2-in. brass drains; and setting 2-in. valves and valve boxes, furnished by the city	50.00	50.00	15.00
350 lin.ft. furnishing and laying 2-in. galvanized iron pipe	2.00	1.00	.30
10 ton furnishing and delivering surplus cast iron pipe and fittings	50.00	50.00	50.00
Extended totals	$117,645	$125,270	$130,455

Wis., Racine—Memorial Auditorium—Dec. 15, by Bd. Pub. Wks., c/o J. Beaugrand, chn., superstructure 1 and 2 story, 182 x 200 ft., brick, stone and concrete, for Memorial Hall Comn., c/o W. Horlick, pres., City Hall. $300,000.

Mo., Kansas City—School—Dec. 10, by E. P. Madorie, archt., 1106 Continental Bldg., 3 story and basement, 160 x 168 ft., stone, rein.-con. and brick, Bway. and Central Ave., for Redemptorist Fathers, 325 Hunter St. $350,000. Noted June 7.

Ark., Ft. Smith—Convent—Dec. 30, by F. W. Redlich, archt., Stillwater, Okla., 3 story and basement, 42 x 178 ft., rein.-con., brick and stone. $200,000. Owner's name withheld.

Tex., Amarillo—Club—Amarillo Masonic Bodies and H. M. Greene Co., archts., North Texas Bldg., Dallas, taking bids 3 story and basement, 80 x 140 ft., brick and concrete, 5th and Filmore Sts. $250,000.

Colo., Denver—School—Dec. 12, by Bd. Educ., W. A. Stutt, secy., constructing Ebert Grade School, 2 story, 75 x 300 ft., brick, terra cotta and concrete, 22nd and Glenarm Sts. $275,000.

Calif., Glendale—Theatre, Store and Office—A. G. Lindley & C. Selkirk, archts., Amer. Bank Bldg., Los Angeles, taking bids rein.-con., Brand Blvd., for J. A. Russell, 208 South Brand Blvd. $150,000. Noted Sept. 13.

Calif., Hermosa Beach—Club—M. Hunt, Hibernian Bldg., Los Angeles, receiving bids 6 story, 85 x 150 ft., rein.-con., for Surf and Sand Club, 1402 Strand Ave. Noted Mar. 29.

Calif., Los Angeles—Convent and Dormitory—A. C. Martin, Higgins Bldg., taking bids 4 story, 55 x 200 ft. rein.-con. and brick, Pico St., for Good Shepherd Convent, 1212 Arlington St. Noted Mar. 22.

Calif., Los Angeles—Lodge Hall—Morgan, Walls & Clements, Van Nuys Bldg., taking bids 3 story and basement, 100 x 175 ft., steel and brick, Oak and Washington Sts., for Odd Fellows Lodge, 218 South Main St. Noted Nov. 2.

Calif., Los Gatos—High School—Trustees of Dist. taking bids 1 and 2 story, rein.-con. $200,000. W. H. Weeks, 369 Pine St., San Francisco, archt.

Calif., Oakland — Hospital — Supervs. Alameda Co. taking bids 4 story rein.-con. and terra cotta administration building, also plastering six 3 story units of county hospital group. $500,000. H. H. Meyers, Kohl Bldg., San Francisco, archt. Noted Jan. 18.

BIDS RECEIVED

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York, Nov. 26, P. S. 202, brick, steel and stone, plain foundation, Hegeman and Atkins Aves., here, from G. Colon & Co., 81 East 125th St., New York, $996,400. Noted Nov. 15.

O., Cincinnati — School — Business Manager Bd. Educ., 511 West Court St., Nov. 12, 2 story, 64 x 120 ft., rein.-con., brick and terra cotta, plain foundation, Tremont St., from M. Penker & Sons Co., 123 Valencia St., combination branches 1, 2, 3, 4, 5 and 9, $154,500; David Gordon Building & Constr. Co., Burnet and Northern Sts., Avon, combination branches 1 to 12 inclusive, $269,000. Noted Oct. 25.

Tex., Dallas—High School—Bd. Educ., 3 story and basement, 167 x 238 ft., concrete, brick and stone, Marlborough and Jefferson Sts., from A. J. Rife, 4339 Ervay St., $374,402. Noted Nov. 22.

Calif., Hollywood — Auditorium, etc. — Hollywood High School Dist., 2 story and basement, rein.-con. and brick auditorium

Buildings (Continued)

and boiler house, from Olcester & Kerr, 1528 Ramona Ave., South Pasadena, $254,500. Noted June 7.

Calif., San Francisco—Nurses Home—Mt. Zion Hospital, 6 story and basement, Class A, Sutter St., general contract from Barrett & Hilp, 918 Harrison St., $208,000. Noted Nov. 15.

CONTRACTS AWARDED

Conn., Rockville — School — Rockville School Dept., 3 story, brick and steel, plain foundation, Park St., to H. Wales Lines Co., 134 State St., Meriden. Archts. est. $300,000. Noted Mar. 29.

N. Y., Brooklyn—Theatre—S. Strausberg, 676 Willoughby Ave., brick, steel and stone, plain foundation, Dean St., to Levenson Bros., 4196 Park Ave. Archts. est. $200,000.

N. Y., Hicksville — High School — Bd. Educ., brick, steel and stone, plain foundation, to Zerby Constr. Co., 1133 Bway., New York. Archts. est. $200,000. Noted Oct. 25.

N. Y., Jamaica — Apartment — Loshen Bros., c/o Shampan & Shampan, archts. and engrs., 188 Montague St., Brooklyn, will build 6 story, brick, steel and stone, plain foundation, Shelton Ave., here, by day labor. $350,000. Noted Nov. 22.

N. Y., Long Island City—Bank—Long Island Savings Bank, Bridge Plaza, brick, steel and stone, plain foundation, Grand Ave., to Gillies-Campbell, 101 Park Ave., New York. Archts. est. $150,000.

N. Y., New York—Apartment—S. S. Belkin, c/o D. S. Lang, archt. and engr., 110 West 34th St., will build 6 story, brick, steel and stone, plain foundation, Ft. Washington Ave., by day labor. $400,000.

N. Y., New York—Apartment—M. Bogdanoff, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, brick, steel and stone, plain foundation, Townsend Ave., by day labor. $150,000.

N. Y., New York—Apartment—A. D'Antona, c/o R. Candela, archt. and engr., 200 West 72nd St., will build brick, steel and stone, plain foundation, 5th Ave. and 11th St., by day labor. $1,000,000.

N. Y., New York—Apartment—B. L. W. Constr. Co., c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., will build 6 story, 125 x 132 x 180 ft., brick, steel and stone, plain foundation, Pinehurst Ave. and 176th St., by day labor. $750,000.

N. Y., New York—Apartment—J. Failla, c/o R. Candela, archt. and engr., 200 West 72nd St., will build brick, steel and stone, plain foundation, West 71st St., by day labor. $650,000.

N. Y., New York—Apartment—W. Kempel, c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., will build 5 story, brick, steel and stone, plain foundation, 203rd St. and Valentine Ave., by day labor. $175,000.

N. Y., New York—Apartment—M. Rothschild, Inc., c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., will build 9 story, brick, steel and stone, plain foundation, 85th St. between Madison and Park Aves., by day labor.

N. Y., New York—Apartment—Turner Associates, Inc., 244 Madison Ave., 9 story, 100 x 110 ft., brick, steel and stone, plain foundation, 49-55 East 66th St., to Turner Constr. Co., 244 Madison Ave. Archts. est. $1,000,000.

N. Y., New York—School—Bd. Educ., 500 Park Ave., P. S. 99, Exterior St., to G. Colon & Co., 81 East 125th St., $1,089,000. Noted Dec. 6.

N. Y., Schenectady—Bank—Schenectady Trust Co., 3 story, 28 x 105 ft., steel, stone and terra cotta, plain foundation, Main St., to Hanrahan Bros., 336 Brandywine Ave. Archts. est. $200,000. Noted Nov. 8.

N. J., Glen Ridge—Nurses School and Dormitory—Mountainside Hospital, 3 story, brick, steel and stone, plain foundation, to Charles Hedden Constr. Co., 783 Broad St., Newark. Archts. est. $250,000.

N. J., Montclair—Apartment—Stanwall Co., c/o F. E. Wallis, archt. and engr., 56 West 45th St., New York City, 4 story, 125 x 170 ft., brick, steel and stone, plain foundation, Fullerton Ave., to J. S. and L. Carlson, Walnut St. Archts. est. $500,000.

N. J., Trenton—J. O. Hunt, archt., 219 East Hanover St., general contract 4 story, 60 x 400 ft., rein.-con., brick and steel building, Montgomery St., for Y. W. C. A., 141 East Hanover St., to C. J. Smith Constr. Co., 204 Academy St., $325,000; heating and plumbing work, to Piperas Bros., 179 Brunswick Ave., $64,800. Noted Oct. 25.

Pa., Bethlehem—Schools—School Bd., 2 story and basement, 63 x 117 ft. rein.-con. and brick, Penn Ave., Goepp and Union Sts., to Friel & McLeister, 1615 Spruce St., $108,333; 2 story and basement, 94 x 167 ft. brick, Jennings and Walter Sts., to H. E. Stoudt, Bethlehem, $170,000; 2 story and basement, 62 x 154 ft. rein.-con. and brick, plain foundation, East 4th St., to C. McCaul Co., 1714 Sansom St., $180,000.

Pa., Phila.—Apartment—P. Mark, c/o F. V. Mark Constr. Co., Commercial Trust Bldg., 3 story and basement, 67 x 83 ft. brick and steel, plain foundation, Arsal and Wissahickon Sts., to F. V. Mark Constr. Co., Commercial Trust Bldg., Archts. est. $150,000.

Pa., Phila.—Office, etc.—Gulf Refining Co., Weidener Bldg., will build 5 story and basement, 102 x 182 ft. rein.-con. and brick office and warehouse, plain foundation, 58th and Penrose Sts., by day labor. $300,000. Private plans.

Pa., Phila.—Parish House—F. L. Watson, archt., 1211 Walnut St., 2 story and basement, 73 x 166 ft., rein.-con., brick and steel, plain foundation, Hancock and Diamond Sts., to W. R. Dougherty, 1613 Sansom St., $250,000, for D. J. Dougherty, 1723 Race St. Noted Nov. 1.

D. C., Wash.—College—George Washington University, college building at 21st and G. Sts., N. W., to H. Wardman, 1430 K St., N. W. archts. est. $250,000. Noted Mar. 29.

D. C., Wash.—Nurses Home—Emergency Hospital, 1711 New York Ave., N. W., 3 story, 58 x 124 ft., brick and concrete, 1727 New York Ave., N. W., to Wardman Constr. Co., 1430 K St., N. W. Archts. est. $250,000.

N. C., Kinston—School—City, 22 room, brick, to Palmer-Spivey Co., Charlotte, $160,000.

Fla., Fort Lauderdale—Hotel—Lauderdale Beach Hotel Co., rein. con. hotel, Lauderdale Beach, to George Jahn, Miami, $175,000.

La., Shreveport—Hospital—L. Abramson and A. A. Herold, rein.-con. and brick hospital, to W. H. Werner, Shreveport. Archts. est. $225,000.

La., Shreveport—Store—Feibleman Co., Magazine St., New Orleans, 5 story, 81 x 150 ft., concrete, steel, brick and stone, here, to W. H. Werner, Shreveport, $312,000.

O., Cleveland—Apartment—I. B. Rabb & Son, Ulmer Bldg., 4 story and basement, 86 x 170 ft., brick and timber, 1620 East 77th St., to Adelovitz & Lenowitz, 3553 East 125th St. Archts. est. $300,000. Noted Sept. 20.

O., Cleveland—Commercial—J. Bassiches & Son, Society for Savings Bldg., 3 story and basement, 48 x 125 ft., brick and rein.-con., 1231 Superior Ave., to Dresser-Minton Co., 881 The Arcade. Archts. est. $150,000.

O., Dayton—School—Bd. Educ., 2 story, rein.-con. and brick, plain foundation, Hickory and Burns Sts., to H. R. Blagg Constr. Co., 1229 East 3rd St., $404,107 Noted Oct. 25.

O., Girard—High School—Bd. Educ., general contract 2 story, brick and steel, East Main St., to Hawkins-Downie & Mason, Youngstown, $226,046; heating and power, to Barnes & Clark, 126 Apple Way, New Castle, Pa., $34,510. Noted Oct. 18.

O., Piqua—High Schools—Bd. Educ., Bennett Jr. High School, 2 story and basement, 61 x 187 ft., brick and rein.-con., also Wilder Jr. High School, 2 story and basement, 76 x 234 ft., brick, stone and terra cotta, Walker and Gill Sts., to Green & Sawyer, Lima. Noted Nov. 8.

O., Toledo—Safety—City, brick and steel contract for building, Jackson, Erie and Ontario Sts., etc., to Moylan & Lasley, Toledo. Archts. est. $600,000.

Ind., Hammond—Apartment—S. Schlesinger, Hyslop Pl., will build 5 story and basement, 47 x 92 ft., brick, steel and rein.-con., Hyslop Pl. by day labor. $150,000. H. L. Newhouse, 4630 Prairie Ave., Chicago, archt.

Ill., Chicago—Apartment—G. L. Arquette, 6718 Ridgeland Ave., 3 story, 108 x 124 ft., Yates and 78th Sts., to Bundo Bros., Inc., 919 East 75th St. Archts. est. $150,000.

Ill., Chicago—Apartment—C. F. Henry, 7455 Greenview St., 3 story and basement, 100 x 140 ft. fireproof, 44th St. and Drexel Blvd., to E. M. Reid, 140 South Dearborn St., $250,000. Noted Nov. 1.

Ill., Chicago—Apartment—E. Peterson, 5045 North Francisco Ave., 3 story and basement, 120 x 150 ft., 1353-59 Carmen Ave., to E. A. Borg, 1338 Eddy St. Archts. est. $150,000.

Wis., Madison—Apartment—M. P. Allison, 119 Monona Ave., will build 3 story, 100 x 155 ft. rein.-con., brick, and steel, plain foundation, Monna Ave., by day labor. $160,000. R. A. Phillips, Beaver Bldg., archt.

Wis., Madison—Church—Parkside Presbyterian Church, 1418 East Dayton Ave., 2 story, 60 x 150 ft., brick, rein.-con. and stone, plain foundation, to J. H. Findorff & Co., 601 West Wilson St. Noted Sept. 27.

Wis., Reedsburg—Theatre—O. V. Kelly will build 1 story, 50 x 130 ft., brick and rein. con., plain foundation, by day labor. $150,000. E. Tough, Washington Bldg., Madison, archt.

Wis., West Allis—Store and Office—P. H. Rhotigan, 6401 Greenfield Ave., 2 story and basement, 60 x 120 ft., brick and concrete, to Pfeifer Constr. Co., 586 66th Ave., $150,000.

Minn., St. Paul—Office—Citizens Service Corp., 1115 Laurel Ave., 13 story and basement, rein.-con., brick and tile, 6th and Jackson Sts., general contract to Lovering & Longbotham, 312 Endicott Bldg., $600,000. Noted June 14.

Kan., Hutchinson — School — Bd. Educ., Maple St. School, 2 story and basement, 122 x 156 ft., brick and concrete, general contract to L. E. Riggs, Larned, $79,870, Sherman Junior High School, general contract to M. C. Foy, Hutchinson, $73,564. Noted Oct. 11.

Kan., Topeka—Church—Holy Name Catholic Parish, c/o M. G. O'Leary, 900 Clay St., 1 story and basement, 75 x 145 ft., rein.-con., brick and stone, plain foundation, Clay St., to M. J. Green, 1202 Haslin St., Manhattan. Archts. est. $200,000.

Kan., Topeka—Office—Atchison, Topeka & Santa Fe R.R., 903 Jackson Bldg., Chicago, 10 story and basement, 75 x 150 ft., rein.-con., terra cotta and brick, to Swenson Constr. Co., Shubert Bldg., Kansas City, Mo.

Neb., Wymore—High School—Bd. Educ., 2 story and basement, 89 x 153 ft., rein.-con., brick, stone and terra cotta, general contract, to M. J. Green, Manhattan, Kan., $129,000.

Mo., Kansas City—School—Bd. Educ., 2 story and basement, 60 x 140 ft. school, to Patti Moore Constr. Co., Kansas City, $212,000.

Mo., Mount Washington—High School—Bd. Educ., 2 story and basement, brick and rein.-con., to Patti-Moore Constr. Co., Mount Washington, $212,000.

Mo., St. Louis — Apartments — Better Built Home & Mfg. Co., Carleton Bldg., will build six 3 story, 32 x 65 ft., rein.-con., brick and stone, 629-749 Skinker Ave., by day labor. $375,000. Private plans.

Mo., St. Louis—Apartment—W. Goldman, 718 North Kingshighway, 6 story and basement, 70 x 135 ft., rein.-con. and brick, plain foundation, 531 Union Blvd., to P. J. Bradshaw, International Life Bldg. $150,000.

Mo., St. Louis—Apartment Hotel—Ambassador Investment Co., c/o S. Koplar, 1012 International Life Bldg., 10 story and basement, 135 x 234 ft., brick, steel and concrete, Union St., to P. J. Bradshaw, International Life Bldg., $1,500,000.

Mo., St. Louis—High School—H. P. Hess, archt., 4821 Cote Brilliante Ave., general contract William Cullen McBride High School, 3 story and basement, 105 x 210 ft., brick, stone and rein.-con., Kingshighway, to Duffner & Stecker Constr. Co., DeMenil Bldg., for J. J. Glennon, 3810 Lendell Blvd. Archts. est. $300,000. Noted Nov. 1.

Mo., St. Louis—Home—Jewish Orthodox Old Folks Home, 4512 Blair Ave., 6 story, 40 x 150 ft., rein.-con. and brick, plain concrete foundation, to A. Meyer, Central Natl. Bank Bldg. Archts. est. $200,000. Noted June 21.

Wash., Tacoma—High School—Bd. Dirs. Tacoma School Dist. 10, 2 story, concrete, and brick veneer, plain foundation. Division Ave. and Sprague St., general contract to O. F. Larson, California Bldg., $371,628. Noted Nov. 1.

Calif., Culver City — Store, Office and Hotel—H. H. Culver, 6 story and basement, rein.-con. and brick, general contract to Winter Constr. Co., Railway Bldg., Los Angeles. $200,000. Noted Oct. 11.

Calif., Culver City—Theatre, Store and Office—West Coast Theatres, Inc., Knickerbocker Bldg., Los Angeles, 2 story, brick, to Hall & Sican, 4113 Washington Blvd., Los Angeles. $150,000.

Calif., Long Beach—Apartment—Seaside Holding Co., 4 story and basement, 75 x 100

Buildings (Continued)

ft., brick and steel, Seaside and Linden Aves., to Graham Constr. Co., Citizens Natl. Bank Bldg., Los Angeles. $150,000 or more.

Calif., Los Angeles — Apartment — S. N. Reiss, 631 North Grammacy St., 4 story and basement, 52 x 134 ft., brick, Serrano St. near Wilshire Blvd., to Richardson Bldg. & Eng. Co., Larchmont Blvd.

Calif., Los Angeles—Auditorium and School—City, 3 story, brick, to W. Stacko, 1710 West Adams St. $245,000.

Calif., Los Angeles—Apartment—M. B. Worsham, 711 South Rampart Blvd., 4 story, 55 x 140 ft. brick, Rampart Blvd., to Littleton Co., 608 East Colorado St., Pasadena. $150,000.

Calif., Los Angeles—Lodge Hall—Independent Order of B'nai B'rith, 711 West 17th St., 2 and 3 story and basement, brick, Union and 9th Aves., to L. R. Armstrong, Hollingworth Bldg., $150,000.

Calif., Ontario—Church—First Christian Church will build 75 x 100 ft. brick church, by day labor, under supervision of C. A. Edwards, Ontario.

Calif., San Francisco—Nurses Home—Mt. Zion Hospital, 6 story and basement, Class A. Sutter St., general contract to Barrett & Hilp, 918 Harrison St., $208,000. Noted Dec. 6.

Calif., Yosemite Valley—Club, etc.—Yosemite Mountain Club, c/o G. S. Underwood, archt., 609 I. W. Hellman Bldg., Los Angeles, club, golf course, stables, power house, garage, etc., to Gutleben Bros., 609 I. W. Hellman Bldg., Los Angeles, $300,000.

Federal Government Work

PROPOSED WORK

D. C., Wash.—Conduit Road, etc.—U. S. Engineer, Old Land Office Bldg., preparing plans hydro-electric plant, filtration plant, reservoirs, tunnels and completion of conduits on Conduit Rd., here, and in Maryland. Maj. N. C. Tyler, officer in charge. Noted Aug. 23.

Ala., Florence — Steel — U. S. Engineer, plans to purchase structural steel for power house at Wilson Dam, here.

Ky., Addison—U. S. Engineer, Louisville, plans to purchase 350 tons steel sheet piling for Dam 45, here.

Ky., Addison—Dam—U. S. Engineer, P. O. Box 72, Louisville, plans movable dam at Dam 45, Ohio River, here.

Ky., Owensboro—Steel Piling—U. S. Engineer, P. O. Box 72, Louisville, soon receives bids 1,200 ton steel sheet piling for Dam 46, here.

Ky., Uniontown—Lock—U. S. Engineer, P. O. Box 72, Louisville, plans lock at Dam 49, Ohio River, 40,000 cu.yd. concrete, etc., near here.

Oregon—Road—U. S. Bureau Pub. Rds., Post Office Bldg., Portland, plans 16.6 mi. Coopers Spur of Mt. Hood Loop Rd., 14 ft., $90,000. C. H. Purcell, dist. engr.

Calif., Crescent City—Riprap—U. S. Engineer, Custom House, San Francisco, soon receives bids 80,000 tons riprap for new breakwater, here.

Calif., Eureka—Riprap—U. S. Engineer, Custom House, San Francisco, will probably take bids in January, 160,000 tons riprap for breakwater at Humboldt Harbor, here.

Calif., Oakland—Dredging—U. S. Engineer, Custom House, San Francisco, making plans dredging in Oakland Harbor, here.

Calif., Petaluma—Dredging—U. S. Engineer, Custom House, San Francisco, plans dredging in Petaluma Creek, here.

Calif., Richmond—Dredging—U. S. Engineer, Custom House, San Francisco, making plans dredging in Richmond Harbor, here.

Calif., San Rafael—Dredging—U. S. Engineer, Custom House, San Francisco, plans dredging in vicinity of San Rafael.

BIDS DESIRED

Vt., Johnsbury—Post Office—Dec. 28, by Treas. Dept., Wash., D. C., 1 story, 61 x 69 ft. brick and tile, here. J. A. Wetmore, acting superv. archt.

N. Y., Poughkeepsie—Extension—Dec. 26, by Treas. Dept., Wash., D. C., extension to U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Dec. 6.

S. C., Greenville—Mailing Vestibule, etc.—Dec. 18 by Treas. Dept., Wash., D. C., new mailing vestibule, and fuel room beneath about 37 x 19 ft., brick exterior wall, non-fireproof interior, etc., in U. S. Post Office here. J. A. Wetmore, acting superv. archt.

Ga., Savannah—Dredging—Dec. 28, at office U. S. Engineer, dredging about 150,000 cu.yd. material in Harbor, here; adv. E. N.-R. Dec. 6.

Ala., Mobile—Remodeling, etc.—Dec. 17, by Treas. Dept., Wash., D. C., remodeling, changes, etc., at U. S. Marine Hospital, here. J. A. Wetmore, acting superv. archt.

Miss., Vicksburg—Steel Hulls—Jan. 10, at office U. S. Engineer, 2 steel maneuver boat hulls; adv. E. N.-R. Dec. 6.

Ky., Addison—Lock Gates—Jan. 3 at office U. S. Engineer, P. O. Box 72, Louisville, furnishing and erecting 2 mitering lock gates for Dam 45, Ohio River, here; adv. E. N.-R. Dec. 6. Noted Nov. 8.

Ky., Louisville—Metal Work—Dec. 29, at office U. S. Engineer, metal work for Dams 44 and 45, Ohio River; adv. E. N.-R. Dec. 6.

Ky., Owensboro—Lumber—Dec. 7, at office U. S. Engineer, P. O. Box 72, Louisville, furnishing approximately 150,000 ft. No. 1 common yellow pine, various sizes, here.

Neb., Omaha—Changes, etc.—Dec. 28, by Treas. Dept., Wash., D. C., changes in lobby screen and miscellaneous remodeling and repairs in U. S. Court House, Custom House and Post Office, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Dec. 6.

Mo., Liberty—Post Office—Jan. 2, by Treas. Dept., Wash., D. C., construction, complete incl. mbechanical equipment, U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Dec. 6.

Tex., Paris—Post Office and Court House—Dec. 27, by Treas. Dept., Wash., D. C., 1 story and basement, 88 x 109 ft., brick and stone, here. J. A. Wetmore, acting superv. archt.

Washington—Gates—Jan. 3, by Bureau of Recl., Denver, Colo., two 5 x 6 ft. high pressure emergency gates for Tieton Dam, Yakima Project, here. D. W. Davis, comr.

Wash., Grays Harbor—Power House—Dec. 11 at office Supt. of Lighthouses, 17th Dist., Portland, Ore., rein.-con. power house and rein.-con. shelter for fog signal at Grays Harbor Light Station, here.

Ore., Portland—Stone—Dec. 27, at office U. S. Engineer, stone for jetty at mouth of Umpqua River.

Calif., Mare Island—Fuel Oil Storage—Spec. 4717—Jan. 16 (extended date), by Bureau Yards & Docks, Navy Dept., Wash., D. C., two 50,000 bbl. fuel oil tanks, motor driven centrifugal oil pumps, 3 brick pump houses and 1 heater house, etc., at Navy Yard, here. Noted Oct. 25.

BIDS RECEIVED

N. Y., New York—Dredging—U. S. Engineer, 2nd Dist., Army Bldg., dredging in Newark Bay, N. J., from G. H. Breymann & Bros., 17 Battery Pl., Area 1, $0.5475; Morris & Cummings Dredging Co., 17 State St., Area 2, $0.25; Atlantic Gulf and Pacific Dredging Co., 13 Park Row, Area 3, $0.2764. Noted Oct. 25.

Conn., Mystic—Post Office—Treas. Dept., Wash., D. C., 1 story, 62 x 64 ft., brick and tile Post Office, here, from W. P. Thurston Co., Merchants Natl. Bank Bldg., Richmond, Va., $44,300. Noted Nov. 1.

Pa., Pittsburgh—Cement—U. S. Engineer, 103,000 bbl. cement for lock construction on Monongahela River, from Universal Portland Cement Co., Frick Bldg. Engrs. est. $275,000.

Ky., Louisville—Barges—U. S. Engineer, sixteen 6½ x 26 x 110 ft. steel barges, with cargo boxes, from Amer. Bridge Co., Ambridge, Pa., $256,550; two 7½ x 36 x 120 ft. steel barges with cargo boxes, from Nashville Bridge Co., foot of Shelby St., Nashville, Tenn., $57,440; two 5 x 25 x 100 ft. steel barges wthout cargo boxes, from C. Hegewald & Co., New Albany, Ind., $30,900. Noted Oct. 25.

O., Gallipolis—Post Office—Treas. Dept., Wash., D. C., for U. S. Post Office, here, from C. Weitz Sons Co., 713 Mulberry St., Des Moines, Ia., $50,500. Noted Nov. 1.

Ill., Great Lakes—Coal Bunkers, etc.—Spec. 4929—Bureau Yards & Docks, Navy Dept., Wash., D. C., coal bunkers and railroad siding, at Naval Training Station, here, (1) work complete, from Newport News Contg. and Eng. Co., Law Bldg., Newport News, Va., (1) $14,480 (2) $10,980 (3) $3,500. Noted Nov. 22.

Porto Rico, San Juan—Quarters—Spec. 4909—Bureau Yards & Docks, Navy Dept., Wash., D. C., double quarters and auxiliary buildings, at Naval Radio Station, here, (1) work complete, from M. Benitiz Rexach, P. O. Box 905, (1) $17,100 (2) $900 (3) $2,500 (4) $2,100 (5) $2,400 (6) $3,000. Noted Nov. 8.

CONTRACTS AWARDED

N. Y., New Rochelle—Dredging—U. S. Engineer, Army Bldg., 39 Whitehall St., New York, dredging in Harbor, here, to Bridgeport Dredge and Dock Co., 1024 Main St., Bridgeport, Conn., $33,320. Noted Oct. 4.

Del., Wilmington—Dredging—U. S. Engineer, dredging in Tuckerton Creek, New Jersey, to Delaware Dredging Co., 139 South 3rd St., Phila., $5,400.

Va., Norfolk—Dredging—U. S. Engineer, dredging 69,000 cu.yd. in eastern branch Elizabeth River, in Harbor, here, to Norfolk Dredging Co., P. O. Box 494, $27,806. Noted Nov. 29.

Ill., Great Lakes—Rebuilding Laundry—Spec. 4918—Bureau Yards & Docks, Navy Dept., Wash., D. C., rebuilding laundry at Training Station, here, to G. I. Morgan, 342 Ridgeland Ave., Waukegan, $31,372. Noted Nov. 29.

Wash., Tacoma—Dredging—U. S. Engineer, Seattle, dredging 78,000 cu.yd. city waterway in Harbor, here, to Henry & McFee, Northern Life Bldg., Seattle, $21,450. Noted Nov. 1.

H. T., Pearl Harbor—Extension—Spec. 4910—Bureau Yards & Docks, Navy Dept., Wash., D. C., extension for battery storage and overhaul, at Submarine Base, here, to A. Pope, 4722 15th St., N. W., Wash., D. C., $48,000 (180 days). Noted Nov. 15.

Unclassified

PROPOSED WORK

Memorial Arch—Middletown, Conn.—Soldiers Memorial Comm. plans memorial arch, Main St. $50,000. S. Mattes, chn.

Piers, Baltimore, Md.—Port Comm. plans 2 rein. con. piers, concrete pile foundation, 1800 ft. long, foot of McComas St. $1,750,000. Western Md. Ry., Standard Oil Bldg., lessee.

Parks—Charleston, W. Va.—See "Streets and Roads."

Steel Tipple and Coal Handling Equipment—Junior, W. Va.—West Virginia Coal & Coke Co., Norton, plans new steel tipple and coal handling equipment, here. $25,000.

Electrolier System—Torrence, W. Va.—City to vote on $75,000 bond issue for electrolier system.

Transmission Line—Murphy, N. C.—See "Dams."

Sea Wall — Biloxi, Miss. — See "Streets and Roads."

Elimination of Grade Crossing—Jackson, Miss.—See "Streets and Roads."

Golf Course—Louisville, Ky.—Louisville Country Club, Upper River Road, plans new 18 hole golf course. $50,000.

Park—Louisville, Ky.—D. B. G. Rose, c/o Standard Printing Co., 218 1st St., plans amusement park at Fern Grove, near here. $50,000.

Athletic Field—Baraboo, Wis.—Park Bd. plans grading for athletic field. $25,000. H. Grotophorst, pres. Clas, Shepherd & Clas, 445 Milwaukee St., Milwaukee, engrs.

Gas Line—Texas—Brownwood Gas Co., Brownwood, plans 8 in. pipe line, 13 mi. long, from Janellen to Brownwood. $125,000.

Transmission Line—Texas—Texas Power & Light Co., Interurban Bldg., Dallas, plans transmission line from Corsicana to Athens and Tyler. $300,000.

Grandstands—Austin, Tex.—University of Texas making plans grandstands on Clarke Field, 1st unit in stadium to seat 40,000. $30,000. H. M. Greene Co., North Texas Bldg., Dallas, engrs.

Golf Course, etc.—Dallas, Tex.—Dallas Country Club, Beverly Dr., plans improvements to golf course and grounds, incl. drives, walks, etc. $100,000. Engineer not announced.

Park Improvements—Ft. Worth, Tex.—Plans election to vote on $500,000 bonds, park improvements. D. L. Lewis, city engr.

Loading Platform—Bellingham, Wash.—See "Buildings."

Port Development — Everett, Wash. — Voters of Port District will vote Dec. 1 on comprehensive scheme of port development. Tentative plan provides for purchasing 10-

Unclassified (Continued)

acre tract for proposed terminals, securing land for ferry landing, acquisition of 1,800 acres of tidelands outside jetty, and dredging operations on Snohomish River.

Terminals, etc.—Seattle, Wash.—Port of Seattle purchased Skinner & Eddy wartime shipyard site, etc., and will build intercoastal terminals, with 2 large piers and warehouse. G. F. Nicholson, 2727 33rd St. S., ch. engr.

Grade Separation—Yakima, Wash.—City had plans prepared for grade separations on Walnut St., 2 underneath driveways, each 19 ft. wide and 2 sidewalks each 6 ft. wide, with clearance of 10 and 9 ft. respectively below tracks. C. F. Wilson, city engr.

Fill—Alameda, Calif.—Neptune Beach Co., Central and Webster Sts., plans placing 100,000 cu.yd. fill in approximately 16 acres of land projecting into San Francisco Bay from Washington Park to 6th St.

Transmission Lines—Modesto, Calif.—Modesto Irrigation Dist. to vote on $500,000 bond issue for completion Don Pedro power distributing system. H. Storrs, ch. engr. Noted July 12.

Pier, etc.—Oakland, Calif.—See "Excavation, Drainage, Irrigation."

Electrolier Lighting System—Sacramento, Calif.—City plans ornamental electric electrolier lighting system on portions of 12th and I Sts., incl. foundations, lamps, globes, switches, wiring, conduits, etc. $25,000.

Grain Terminal—San Francisco, Calif.—State Bd. Harbor Comrs., Ferry Bldg., plans grain terminal, Islais Creek. $325,000. F. G. White, ch. engr.

Tunnel—Mexico—See "Bridges."

BIDS DESIRED

Steel Framing and Rolling Doors—New Orleans, La.—Dec. 20, by Bd. Port Comrs., 200 New Court Bldg., structural steel framing for shed and steel rolling doors; adv. E. N.-R. Dec. 6.

Foundation—Rapid City, S. D.—Dec. 12, by State Cement Comn., concrete foundations for 50 x 72 ft. coal mill building, 30 x 72 ft. crusher building, also structural steel and conveyor gallery, 350 ft. long. J. C. Buckbee Co., 1733 First Natl. Bank Bldg., Chicago, engr.

BIDS RECEIVED

Special Work—New York, N. Y.—Transit Comn., 49 Lafayette St., Nov. 30, special work (Order 23) for Lenox Ave. and 148th St. Yard, from Bethlehem Steel Corp., 25 Bway., $12,544. Noted Nov. 22.

Foundation, etc.—Minneapolis, Minn.—Bd. Educ., Nov. 26, foundation and first floor slab for 1 story and basement, 150 x 300 ft. school, rein.-con. and brick, Mississippi River Blvd., from Manly Jackson Constr. Co., 124 South 8th St., $21,600. Total cost $200,000. Noted Nov. 22 under "Buildings."

Sluice Gates—Exchequer, Calif.—Directors Merced Irrigation Dist., Merced, 2 sluice gates, 277 static head operated under 100 ft., 28-30 ft. to discharge, 6 ft. diam. sluiceway, for Exchequer Dam, here, from J. Hendy Iron Wks., 75 Fremont St., San Francisco, (1) sluice gates with equipment $4,390 (2) discharge castings $2,575. Noted Nov. 8.

CONTRACTS AWARDED

Airplant Hangar—Hartford, Conn.—Municipal Aviation Comn., 60 x 120 ft. steel hangar, to Berlin Constr. Co., Berlin. Noted Nov. 1.

Dock, Retaining Wall, etc.—Creighton, Pa.—Pittsburgh Plate Glass Co., Frick Bldg., Pittsburgh, dock retaining wall, etc., here, 7,000 cu.yd. concrete, etc., to Dravo Contg. Co., Diamond Bldg., Pittsburgh. Engrs. est. $75,000.

Retaining Wall—Emsworth, Pa.—Pennsylvania R.R., Penn Sta., Pittsburgh, 700 ft. retaining wall along Ohio River, here, to Vang Constr. Co., Standard Life Bldg., Pittsburgh, $25,000.

Electric Fan and Ventilating System—Phila., Pa.—Phila. & Reading R.R., Reading Terminal, installing electrical fan and ventilating system in Mahanoy Tunnell, to Penn Power & Light Co., Hauto, $100,000.

Banquette Work, etc.—Clarksdale, Miss.—Yazoo-Mississippi Delta D. D., 75,000 cu. yd. banquette work and 10,000 cu.yd. topping, to G. L. Williams, Exch. Bldg., Memphis, Tenn., $0.38 per cu.yd. Noted Oct. 25.

Oil Well—Hammond, La.—Indian Bayou Oil & Gas Co., drilling oil well, 7 mi. from here, to F. Kyle, Shreveport, $25,000.

Dock—Bellaire, O.—Carnegie Steel Co., Carnegie Bldg., Pittsburgh, Pa., dock on Ohio River, here, to Dravo Contg. Co., Diamond Bldg., Pittsburgh, Pa. Engrs. est. $25,000.

Okla., Blanco—Pittsburgh Co., (McAlester) 140 ft. steel truss with concrete trestle approaches, 165 cu.yd. concrete, 3,800 cu.yd. earth approach and fill, to Campbell Bros., 1838 Walnut St., Kansas City, Mo., $28,635.

Golf Course—Yosemite Valley, Calif.—See "Buildings."

Gas Mains—Montreal, Que.—Montreal Light, Heat & Power Co., Craig St. W., will construct 15,721 ft. 4 and 6 in. c.i. gas mains in Chambord, Bourbonniere, Ducharme, Amherst, Bellechasse, Belanger, Lafontaine and St. Columbian Sts., Lasalle and Avenue Rds., 5th, Mariette, 10th, Stuart, Picton, Des Marchais and 2nd Aves., by day labor. $37,936. E. S. Stanton, supt. gas distribution.

Pier—Toronto, Ont.—R. C. Desrochers, secy. Dept. Pub. Wks., Ottawa, reconstructing eastern pier of Eastern Harbor, concrete pier on wood piles, to Port Arthur Constr. Co., 36 Toronto St., $48,000.

Materials and Equipment

PROPOSED WORK

Snow Loader, etc.—Hartford, Conn.—Street Dept., Municipal Bldg., plans to purchase snow loader, similar to Barber-Greene type, $6,000; set of bucket loaders to be attached to various equipments, $2,000; catch basin cleaner; scarifier road roller.

Road Working Tools—Brooksville, Fla.—Hernando Co. plans election to vote on $15,000 bonds for road working tools.

Road Machinery—Wisconsin—Following are county appropriations for road machinery during 1924. Vernon Co. $7,000 incl. crushing outfit, graders, etc., A. Ristow, Viroqua, comr.; Pierce Co. $20,000 incl. tractor, grader and 2 trucks, C. F. Kenall, Ellsworth, comr.; Kenosha Co. $15,000 incl. 2 trucks, three 3 way drags, one stone crusher, small clam loader, J. F. Herzog, Kenosha, comr.; Shawano Co. $20,000 incl. stone crusher, screening plant and 2 trucks, W. F. Meyer, Shawano, comr.; Green Lake Co. $5,000, D. C. Williams, Green Lake, comr.; Richland Co. $14,000 incl. belt conveyor, 2 trucks, 1 tractor, 8 patrol graders, 12 drags, 1 small air compressor, A. V. Robinson, Richland Center, comr.; Lafayette Co. $11,000, G. H. Priestley, Darlington, comr.; Crawford Co. $8,000, J. N. Campbell, Bell Center, comr.; Winnebago Co. $7,500 incl. truck and tractor, etc., J. Binning, Oshkosh, comr.; Waushara Co. $6,000 incl. gravel crushing machinery, graders, drags, etc., F. Grimm, Wautoma, comr.; Dunn Co. $9,000 incl. patrol graders, F. Stewart, Menomonie, comr.; Pepin Co. $4,000, G. Goss, Durand, comr.; Adams Co. $4,000, J. A. McGregor, Friendship, comr.; Price Co. $14,400 incl. crusher and patrol graders, B. M. Griffin, Phillips, comr.; Oconto Co. $5,000 road machinery, $8,000 crushing plant and $5,000 machine shop, E. W. McAllister, Oconto, comr.; Walworth Co. $5,000, H. J. Peters, Elkhorn, comr.; Marathon Co. $14,000 incl. 12 ft. grader, patrol graders, gravel crusher and screening plant, H. J. Vogt, Wausau, comr.; Bayfield Co. $10,000, J. Friberg, Washburn, comr.; Taylor Co. $9,000, C. Kelnhofer, Medford, comr.; Marquette Co. $7,500 incl. crusher and truck, H. Schmitz, Montello, comr.; Grant Co. $10,000 incl. 15 patrol graders, 6 drags, 6 wheel scrapers, 6 slip scrapers, 6 plows, shop equipment and small tools, H. Mink, Lancaster, comr.; Calumet Co. $16,000 incl. patrol graders, etc., J. A. Gillis, Chilton, comr.; Iowa Co. $3,000, C. Wonn, Dodgeville, comr.; Jackson Co. $4,000 incl. 12 ft. grader, O. Overlien, Black River Falls, comr.; Marinette Co. $15,000, A. Eklund, Marinette, comr.; Chippewa Co. $12,000, P. O. Lodrantz, Chippewa Falls, comr.; Manitowoc Co. $25,000 incl. tractor, crusher, 3 patrol graders, one heavy grader, 5 wheelers and 1 patrol tractor, J. Connell, Manitowoc, comr.; Racine Co., 1 snow plow, W. A. Bechthold, Racine, comr.; Rock Co. $4,000, C. E. Moore, Janesville, comr.

Water Pipe—Eureka, Calif.—See "Waterworks."

Sand and Gravel Plant Equipment—Fresno, Calif.—See "Industrial Works."

Asphalt, Cement, etc.—London, Ont.—W. A. Near, city engr., soon takes bids for 1924 supplies, incl. asphalt, cement, broken stone, c. i. castings, road oil and general supplies.

BIDS DESIRED

Cement—Brooklyn, N. Y.—Dec. 12, by E. Riegelmann, boro pres., Boro Hall, 3,000 bbl. Portland cement.

Dump Cars—Bluefield, W. Va.—H. M. Waugh, in market for ten 12 cu.yd. dump cars.

Graders, etc.—Georgia—Dec. 14, by W. R. Neel, engr., State Hy. Dept., at East Point, twenty-eight 8 ft., nine 10 ft. and six 12 ft. road graders, equal to Adams, Russell, Stockland or better; forty-four 1 ton trucks with gravity dump bodies, equal to Ford 1 ton trucks equipped with Perry-Mattin dump bodies or better, 20 back sloopers for 10 ft. graders, 15 back sloopers for 12 ft. graders and 16 scarifier attachments for 12 ft. graders, equal to Adams, Russell, Stockland or better; twenty-five 2 ton tractors equal to Holt T-35 or better; twenty 5 ton tractors, equal to Best, Holt or better; sixty 7 ft. three blade road drags, equal to Adams, Russell or better; twenty complete circles with blade for maintainors, equal to Adams, Russell or better. Give prices f.o.b. Atlanta, Macon, Augusta, Albany, Savannah and Waycross.

Steam Shovel—Gadsden, Ala.—Comrs. Etowah Co. in market for steam shovel.

Steam Shovel—Columbus, O.—Yale Ave. Constr. Co., 146 Yale Ave., in market for one 2½ cu.yd. steam shovel and hoisting equipment. L. Gentile, mgr.

Steam Shovel—New London, O.—E. Biglow Co., in market for 1 steam shovel about 2½ tons capacity.

Crane—Detroit, Mich.—G. J. Finn, comr. Purchases & Supplies, 700 Marquette Bldg., taking bids one 20 ton steam locomotive crane, for Bd. Water Comrs., East Jefferson St.

Posts—Springfield, Ill.—Dec. 10, by Dept. Pub. Wks. and Buildings, Div. Purchases and Supplies, Springfield, 4,825 creosoted Y. P. posts.

Dump Cars, etc.—St. Paul, Minn.—Dec. 11, by H. W. Austin, city purch. agt., 10 steel dump cars, one thousand six hundred and eighty 15 ft. steel tracks, one 4 ton gasoline locomotive, 2 complete turnouts, 2 right hand and 2 left hand switches, 40 tons ferrous sulphate. G. M. Shepard, city engr.

Concrete Mixer—Independence, Kan.—A. G. Sherwood, in market for concrete mixer and grader for road work.

Tractors, etc.—Texas—Dec. 29, by State Hy. Dept., c/o J. W. Francis, equipment engr., Austin, forty 10 ton, thirty 5 ton and two hundred 2 ton tractors; three hundred 3 ton, twenty-five 3 ton, and two hundred seventy-five 1 ton trucks; fifty 4 wheel and twenty-five 2 wheel trailers; 10 water wagons; two hundred one man maintainers with engines; 25 pavement heaters, 25 large and 25 small asphalt heaters; forty 12 ft. graders with back sloper and scarifiers, twenty 10 ft. and two hundred 7 ft. graders with black sloper and extension blade; five hundred 4 ft. fresnos; five hundred 3½ ft. drag slips. State will take over maintenance of all designated State Highways on January 1 and above will be used for that purpose.

Grader—Dallas, Tex.—Dec. 17, by Comrs. Dallas Co., one or more 12 ft. graders with back slope attachments, leaning wheel or extension axle, engine hitch, for Rd. Dist. 1. Nagle Witt & Rollins, Court House, co. engrs.

Shell—Houston, Tex.—Dec. 17, by Comrs. Harris Co., 10,000 cu.yd. shell for road construction. $75,000. Howe & Wise, co. engrs.

Steam Shovel—San Antonio, Tex.—Street Dept. taking bids steam shovel. D. D. Harrigan, city engr.

Insulators—San Francisco, Calif.—See "Waterworks."

Cletrac—San Jose, Calif.—Supervs. Santa Clara Co., receiving bids 1 Cletrac, equipped for road use, f.o.b. Gilroy, for Rd. Dist. 1.

Ties—Montreal, Que.—Canadian Pacific Ry., Windsor St. Sta., taking bids 6,000,000 ties. $4,000,000. T. Walklate, genl. tie agt.

CONTRACTS AWARDED

Structural Steel—Louisville, Ky.—Louisville & Nashville R.R. Co., 10th and Bway., steel for bridge work, 800 tons to Virginia Bridge & Iron Co., Roanoke, Va., 300 tons to Amer. Bridge Co., Ambridge, Pa., 150 tons to Louisville Bridge & Iron Co., 11th and Oldham Sts., Louisville, Ky.